

## SEQUENCE LISTING

<110> Salceda, Susana  
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<120> Compositions and Methods Relating to Breast Specific Genes and Proteins

<130> DEX-0312

<150> 60/268,999

<151> 2001-02-15

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<170> PatentIn version 3.1

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 <212> DNA  
 <213> Homo sapien

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<210> 18  
 <211> 542  
 <212> DNA  
 <213> Homo sapien

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 ag 542

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 <211> 326  
 <212> DNA  
 <213> Homo sapien

<400> 19  
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 ttgaaaaccg aactatcaga tactccgttc aggcaccaga ctggctatga agtggcacat 240  
 acatggaata gacccaaata ggactgcgaa gatgttgaaa aataaactga cattagaaca 300  
 acatcccaaa gaggagttgg gacttg 326

<210> 20  
 <211> 603  
 <212> DNA  
 <213> Homo sapien

<400> 20  
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 atgtttggaa acagtccttc ggattggagg ggtttcacc ctgccaaggt gggaccaccc 180  
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<210> 21  
 <211> 513  
 <212> DNA  
 <213> Homo sapien

<400> 21  
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<210> 22  
 <211> 136  
 <212> DNA  
 <213> Homo sapien

<400> 22  
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<210> 23  
 <211> 933  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (661)..(661)  
 <223> a, c, g or t

<400> 23  
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 caacaccaac gagacgaaac aacaaacgaa cga 933

<210> 24  
 <211> 911  
 <212> DNA  
 <213> Homo sapien

<400> 24  
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<210> 25  
 <211> 475  
 <212> DNA  
 <213> Homo sapien

<400> 25  
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 ccaggggtctg ggagtttccc aattgggttaa ttggtaaaca ggaacggggc acacacacat 180  
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<210> 26  
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 <212> DNA  
 <213> Homo sapien

<400> 26  
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 aaaaatttaa accattaaac attaggggcc ttttaaattg tgctcgggta taatattatt 300  
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<210> 27

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<211> 722  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
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 <223> a, c, g or t

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 aaaagggggg gggcgcccgga cgnagtgcta cgacgagatg tcgccgcgga cgaaacgccc 180  
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 ccgacgagag cccccactt gtggtgctgc ggtttagttc taccacacacc catcggtgtt 300  
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 gc 722

<210> 28  
 <211> 1210  
 <212> DNA  
 <213> Homo sapien

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 <222> (631)..(631)  
 <223> a, c, g or t

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<211> 247  
<212> DNA  
<213> Homo sapien

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ggacaactaa acttattatt tcatctaaaa aaattcaaaa acaacaaaca aaaaaaaaaa 180  
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caaccga 247

<210> 30  
<211> 528  
<212> DNA  
<213> Homo sapien

<400> 30  
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 tgtaaaatta tttgattaac atttataact taaaaaaaaa aaaaaaaaaa aaaaaaaaaa 480  
 aggaaaaaaaa aaaaaaaaaag ggggggtgggg gcactccggg gaaatccc 528

<210> 31  
 <211> 890  
 <212> DNA  
 <213> Homo sapien

<400> 31  
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 <212> DNA  
 <213> Homo sapien

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387

&lt;210&gt; 33

&lt;211&gt; 895

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 33

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cttgggcagc agccagtgag gagaggcaag atgggggttaa gcttcgcaca ttgag 895

&lt;210&gt; 34

&lt;211&gt; 502

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 34

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<213> Homo sapien

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<213> Homo sapien

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<212> DNA  
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 <212> DNA  
 <213> Homo sapien

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 aagaaaaagc ttggcgggct acactcagtg gctcataggc gtggatctcc gtgggtggta 360  
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 <212> DNA  
 <213> Homo sapien

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 <223> a, c, g or t

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<210> 41  
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 <212> DNA  
 <213> Homo sapien

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<210> 43  
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 <212> DNA  
 <213> Homo sapien

<400> 43  
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 <223> a, c, g or t

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<210> 46  
 <211> 487  
 <212> DNA  
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 <212> DNA  
 <213> Homo sapien

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 <211> 802  
 <212> DNA  
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 <212> DNA

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&lt;400&gt; 52

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gccacctata cctatggaca tgattagaaa gaaacaatgg gaggcagttc tgtaacagtg      600
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&lt;210&gt; 53

&lt;211&gt; 837

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 53

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gctgtggggc ttacaggact tgccaccacc gccaccagc ttaattttgt gcacgttttt      300
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cgtgaaccgc aggtgactcc ctccgtgcc tcgcgcctcc tgaaaatgtg gctgggtgat      420
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aatgttattc acaaatatta ttctcacaaa atatttcttg aactctataa acaaaaatat      720
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 <211> 718  
 <212> DNA  
 <213> Homo sapien

<400> 54  
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 gaagtcgccg atggatgcaa atcaatgaat cttacttgca ttccttgtga tcctatcctg 180  
 gggcatcagt gtgacccgtc ccaatctcga gccatcccgg agggaagctg ggtactcaac 240  
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 cagggttggt cgccaatgtc tggcccaggc tgaagtcatt ggaatctacc atgtggcact 360  
 cgaatggctg agttcataac cctaacgctg tggagcgtcc acaagagtgc tggtgattta 420  
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 gataggatct ctgtatatag aacacatcct aaggattgct atcaggataa aaattattag 540  
 actatgaggt tggagacaag ggtcgagaa taaatgtgta tttctacaca cgagcaatga 600  
 acaatctgaa catgaaataa taaaacaatt ataaacagca ttaaagacag cttggcgat 660  
 catgtcatag ctgttcctgt gtgaaatgta ttccgtcaca ttcacacact agagcagg 718

<210> 55  
 <211> 913  
 <212> DNA  
 <213> Homo sapien

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 gtgccttggg gggtcataat atgttaggaa tggatagata gaggaaatgg aggatgataa 240  
 agatggcagc atacataggg gtacatacag tcaagaaaga gtggaaaaat agggaatgac 300  
 atgaggaagg gatgaaagtg gtagagtgcc attgtaattt gcatgagtaa tgctggaaag 360  
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 aagatgatgc cttcaggagc gtttcgtgac tcgtctaccg tgggggggta tatcaggggg 480  
 gcatagcatt aaaatagtaa catccctatc gtgaatttac tatctttggt tactaggagt 540  
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 ggctgggcaa ggctagttag tagcccaagc gtggccacgg gtgttgacct gttagggcct 780

gacagcattt gacttttagc caacaaagag ttccggctgt gggaaatctg ttagtcaaac 840  
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 gcatgttcct cct 913

<210> 56  
 <211> 1203  
 <212> DNA  
 <213> Homo sapien

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 aacggcaaca agcctcccag tactgacctg aaaacttggt acaagaagaa caccaacaag 360  
 tgctccctgg gctgaggacc ctttcttgcc tccccacccc ggaagctgaa cctgagggag 420  
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<210> 57  
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 <212> DNA  
 <213> Homo sapien

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 gaattcagct gcagctgaca tttacctctg gtctaactct gaaaagaaaa attgtttccc 180  
 aaaaggattt gtggtatatg tagtattaag ggtggggaag ggctatttaa tgtaggtaag 240  
 ataaagaact ggttttaaga actttacata gtgattacat agaaatggat gtgggtagtt 300  
 acaaagggtt cttatctatt cattcatgcc cacctgcca gccccctgct gattcagacc 360  
 agctttcact gccaaga 377

<210> 58  
 <211> 1527  
 <212> DNA  
 <213> Homo sapien

<400> 58  
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 gagccccctt tgggggccgt cccctttatc tcggtttaat agggccccag ggagtgcgcg 180  
 gccttggttg cgcttttttag tgactcgtac cccctttttg aatcgcaccg ccaaaacctg 240  
 tggagatgtt ttttccccgc gaaagactgt ggggacaagg caaatcgggt tgggggcccc 300  
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 taggtgaacc cccccagtg tgtgaaaagt ttaagtctg tgagctgttc gaaccgcacc 480  
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 gaagcgagga gatccacttc ttggttgaga agggccccac ctggagggtg aaactcttata 780  
 actcgggggt ttttctggga gaaaagaaaa gttcctcgag attcgcgccg cgggagagcc 840  
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 ccaccccccc ccacttcccc cacacct 1527

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 <212> DNA  
 <213> Homo sapien

<400> 59  
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 ttttgtgtcc tccttgttcc tgggattgga ctatggtttg atcactgctg tgatcattgc 480  
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 <212> DNA  
 <213> Homo sapien

<400> 60  
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 taatactgcc acattgagga ttgagtctag aggggaatgc taccattcca cccctgatcc 360  
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 tccagcacia aattccagtt caaagtcag agcctcactg tgtgagcctg tgaaaccaa 480  
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<210> 61  
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 <212> DNA

10078090.021402



<213> Homo sapien

<400> 61

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ccttgccact tgccatctag cagagctgga tgcttccctt gagcgctctc tgctccatcc      180
cccaggtatc taggctgcct cccatctccc ccactggcat ttgaacttta agagcctggg      240
ctttgtgctt ggaatccaat gcaaaggctt ccataacta gcactccata aacaactttt      300
gaacaaaaat tcaaattccc agtggttcag ttgcaccaag ttcaagacta agtatttcaa      360
ataaaaaaaaa aacaaaaaaaa aacaaaaaag ggcttgggcg gaacctccat gggcatctag      420
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cacg                                                                544

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<210> 62

<211> 589

<212> DNA

<213> Homo sapien

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tgaacagtct ggagtagctg gagacactcc tcactctggc actctccttg ccacttgcca      180
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aaaaaaaca aaaagggtt gggcggaacc tccatgggca tctagctggg tccccgtttg      480
tgtggtcatt gggtatccgg ctacatttc ccacacactt tcccggccca cacagcagat      540
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<210> 63

<211> 212

<212> DNA

<213> Homo sapien

<400> 63

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cgcggtggtt ccgtggtggt ggcacatatg tggatgatat ccggctccaa caaattccct      180

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10078090.021402

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212

<210> 64  
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 catccttgac ttaaggaggt gaaaaataat ctcatgaaaa agttaccact aggataagtt 180  
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 cacacaacca atcccagagaa cgcacacgga accgcaaccc aagcacacaa gcagacgccg 360  
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 aacccaccgc ccagcgcacc acacgcgcca cagcacagca acaccgaaa cgaaccacga 480  
 aaccagcaac caagccagca aacaccaaac caacaccacg acaggcaacg cacgaagaca 540  
 accaaacacc aacgacaacc cccagacaac acccaccgca cgcaccacag cccaccacca 600  
 cagcgcgcca ccaccagca caccggacca cgcccggcag cggccgcccc accaacc 658

<210> 65  
 <211> 226  
 <212> DNA  
 <213> Homo sapien

<400> 65  
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 gatgcccata tgggttgattt cagtctccag gtcaactgag atagtgtgac ccagagctcc 120  
 taccctaaat catgtggttg gtcttccac tctacatcaa aatgttgcta tctgggatag 180  
 cccaagatcc ccagacaaac agagattact taccaaggac aaaggc 226

<210> 66  
 <211> 430  
 <212> DNA  
 <213> Homo sapien

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 attgggagac acacttctga acaccaccac tggaaaatca cacatgctga aatgggagag 180  
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caaaatatta actagttaat ttgatctcca agagttaagc ggttttaata ttactgacag 360  
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<210> 67  
 <211> 813  
 <212> DNA  
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<400> 67  
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<210> 68  
 <211> 444  
 <212> DNA  
 <213> Homo sapien

<400> 68  
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 gtgctagaaa cccaagcatt gaagaattaa attactgtgg gtgggaaaca cacgggcatt 180  
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 tgggtggtat tcttgaacac attgaattcc ttttgtgggc tcaggtgtag gaaaggcacg 300  
 agccagaatc catatagggg attgaatacc ttcaaatctg gtggtctgga ggaattctag 360  
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<210> 69  
 <211> 273  
 <212> DNA  
 <213> Homo sapien

<400> 69  
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 gggcggtaac catggccgac agctgggtccg tgtgtgaaat ggtttcccggtg ctcccatccc 180  
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<210> 70  
 <211> 1397  
 <212> DNA  
 <213> Homo sapien

<220>  
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 <223> a, c, g or t

<220>  
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 <222> (356)..(356)  
 <223> a, c, g or t

<220>  
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204T20-0508400T

<223> a, c, g or t

<400> 70

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<210> 71

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<212> DNA

<213> Homo sapien

<220>

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<222> (595)..(595)

<223> a, c, g or t

10078090.021402

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<220>

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<400> 74  
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<212> DNA  
<213> Homo sapien

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10078090.021402

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<213> Homo sapien

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10078090-021402

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 <213> Homo sapien

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46

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 <213> Homo sapien

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<210> 85  
 <211> 728  
 <212> DNA  
 <213> Homo sapien

<400> 85	
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 <223> a, c, g or t

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<210> 87  
 <211> 430  
 <212> DNA  
 <213> Homo sapien

<400> 87  
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<210> 88  
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<212> DNA  
<213> Homo sapien

<400> 88  
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<210> 89  
<211> 1682  
<212> DNA  
<213> Homo sapien

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 aaaacagaaa aagggaatat atagcgggaa gagcagaaca gagtgaaaaa ggaaaaaggt 1680  
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<210> 90  
 <211> 959  
 <212> DNA  
 <213> Homo sapien

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<210> 91  
 <211> 737  
 <212> DNA  
 <213> Homo sapien

<400> 91  
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 gtccctaagga accaggaaga cactggggat caagatacca gggaaaagt agcttttaga 180  
 gaagatggca tttctttctc tgaggataga gggctaggca cgtagagaca cactttgagt 240  
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 aatttacaaa actgatcaaa gcaaaatagc caaactgaag caggaggaaa gctagagact 420  
 cacacatgag ggtggccccc acattgctgg tctaacatcc aggcacataa accactagta 480  
 aaaggcacac aaagactgaa taaaggcttt ctagaaatgg gtagtgacag cagcatcctc 540  
 cattctat 600  
 cttcacttca gaaatagaag tcaaaaacac tgattttaag tgattcataa 600  
 ttgaaaaaca atgtcataca ttcaagaggc cttgagattt tagattaata ccataaagga 660  
 aaactggaag ggggaacag ttagaaatat cacatcacat ctagaagtgc aatgagacta 720  
 gactgcatag gtgatgg 737

<210> 92  
 <211> 601  
 <212> DNA  
 <213> Homo sapien

<400> 92  
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gcctgaccaa catggtgaaa acctgtctct actaacaata caaaattagc tgggtgtggt 180  
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 cctgtggtcc catctactca ggaggctgag gtgggaggat cacttgaaac tgggagttca 420  
 agtttgcagt gagctatgat caccacctca cactccagcc tgggcaagag tgacaccag 480  
 cctaaaaaaa acaacaaaaa aaaaaaaaaa aaaaacacct gggggatacc ctggggcaaa 540  
 ggggtgttccg ggggtgtgaca aatgggttcc ggtcaaaatt ccccaaaat cgcagaaaag 600  
 g 601

<210> 93  
 <211> 323  
 <212> DNA  
 <213> Homo sapien

<400> 93  
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 gaatctagga ggcgagggtt gcagtgagcc gagatctcgc cactgcactc cagcctgggc 180  
 gagagagtaa gactctccgt ttctcccaa aaaaaaaaaa aaaaaaaaaa aaactttggg 240  
 gtattattgg tcatgtgttc cctgggtgaa atgggtttcc ggtcaaatcc aaattgataa 300  
 aaataaaaag aaaaagtgac gat 323

<210> 94  
 <211> 625  
 <212> DNA  
 <213> Homo sapien

<400> 94  
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 aatgtgatgg atgcgtgcgc ggcgaggtag ttctgtggtg gtagggcttt gtcacatcat 120  
 gcactaaaaa cagaatgtga ctcaaccttt tctactgctg actgagttgt gatgaggctt 180  
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 acactttcat ctgtgtgggc caggagttgg gcatgtagtt taatgacgta taatttttga 300  
 attccaagca tagtttgaaa aaatatgaaa atcttagcac ccagcacatg cctattaatg 360  
 aagaagttct cagcagctgg cagaaatgca tctgtgtaga gagacacagg cggaacagg 420  
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<210> 95  
 <211> 810  
 <212> DNA  
 <213> Homo sapien

<400> 95  
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 aatgtgatgg atgcgtgcgc ggcgaggtac ttctgtggta gtagggctct gtcacatcat 120  
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 aatgaaaaag gctgttgtag acgttcgcga 810

<210> 96  
 <211> 716  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (590)..(590)  
 <223> a, c, g or t

<400> 96  
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cctttgaaaa acctaacagt atttatatgtg gtttagaaca atgtagataa ctttaagcca 420  
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 aaaattaaaa aggactgggt ttcttaataa aatataagca tttaatcaaa aaaaaacaaa 540  
 aaaaaacaaa aaacaggcgg ggggtaact cagtgggcca tagggtggtn cccgtggggt 600  
 ggacaatttg gttattcccg gtccacattc accacactac ctgggcacgc gacacaactt 660  
 gaccagcaca gcacaagaga gcaaaacaag caccacagca cacaccagca aaaacg 716

<210> 97  
 <211> 341  
 <212> DNA  
 <213> Homo sapien

<400> 97  
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 tctctttttt tctcattttt tcttcctctt ctgtggtgca gcagggggcg aaaaccacgg 180  
 agcagggggc tggcaaagcc tggggcgagc agacgacggg aacagcccca ccaggcgggt 240  
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 gtaatccggt acacaattcc cacacaacaa cgcgcaagca c 341

<210> 98  
 <211> 903  
 <212> DNA  
 <213> Homo sapien

<400> 98  
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 tcc 903

<210> 99  
 <211> 928  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (778)..(778)  
 <223> a, c, g or t

<400> 99  
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 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180  
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 gatcgcgctg cgcgcggggg ggacactcta tattatatag aagagggaga cagacgatac 300  
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 ctagtgccaa cccgtccgat atatatgaac cgtggcgcgg tcgctccgc ccactaaagt 720  
 gagtgtggtc gatgatcact attataaaat acacacacag cgggcgaggg ggggaganga 780  
 attgattaaa aaacaccctg cttcgtgtat ttaaccgcgc cgagggttgc agaacaaggg 840  
 agggacgaac tatctcattc catcccacct gacttgtgga ggaggaggag aacacctctc 900  
 cctcttaca taaaaccgcg cgggcggc 928

<210> 100  
 <211> 852  
 <212> DNA  
 <213> Homo sapien

<400> 100  
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 gcaacacgca gccatatggc aagtgcctgt gtccctgtcc ttcaggccca tcaattcctg 120

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ggagcttttg ctttatcact ccttcagtct taagtccatc caccagagtc tagaaggcct 180  
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acgctgtgtg tgccagggtat atggccctgg agtctgcatt ggcacctgct atagaggcat 300  
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ggcacgccgg aa 852

<210> 101  
<211> 254  
<212> DNA  
<213> Homo sapien

<400> 101  
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tttttttttt tttttttttt ttttgggggg ggggacaggg gagcaggggg ggcgcgcggg 180  
gggagaatgt gttctcccc cccaccccc ccaaaaaaaaa aaaaaaaga attcgataaa 240  
taaaaaaaaa aagt 254

<210> 102  
<211> 447  
<212> DNA  
<213> Homo sapien

<400> 102  
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cctgggcaac agagtggagac cctgtccag cactctggga ggcagaggag ccagttgga 120  
gatcagcctg ggtaatatag tgaaacttga tctctacaaa aaaaagaaga aaaaaaaag 180  
ccgcgtgtgg tggcgcgcac ctgtagtccc agctactggg aagctgaggt gggaggatca 240  
cttaagccca ggaggcagag gtcacaatga gccgaaattg tgccaaactgg actccagcct 300  
ggggcaacag aggaaggaac tcttcaccag gaaaaaaaa aaaacaaaaa aaaaaaaaaa 360  
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447

<210> 103  
<211> 697  
<212> DNA  
<213> Homo sapien

<400> 103  
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aaaggaacag cctatttaga aaggattatt ggacaacgcc acattactat aggccccac 300  
aatctcacat atttaaaaaa tttccgtaga aacaacttat agctctgaat ctactcaccg 360  
tgggtgggtgg tctccacgtt tctcttctaa atacagtgcc ggactcagag gaaccccccg 420  
aggggtctcc tttgcgtggg tcttttggtg taaaaggaca ggctatagtc ttcgtgtata 480  
ttctcacata aagcctgtgg gggatacatc cagaggggtca caaataaggt ggtatacacg 540  
ccgggtggct aaacaagtgg gctcactcgc gccctcacia atattcacca ccacaacaat 600  
accccacgca cacaacaccc atcaaaaacc acagggggggc aggaaaagac gcccaaccaca 660  
gacgaaaaca aaaagagcag ggaaaaaaaa caaaact 697

<210> 104  
<211> 807  
<212> DNA  
<213> Homo sapien

<220>  
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<223> a, c, g or t

<220>  
<221> misc\_feature  
<222> (404)..(404)  
<223> a, c, g or t

<220>  
<221> misc\_feature  
<222> (618)..(618)  
<223> a, c, g or t

<400> 104  
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 ttggcgcaag aaacgaacac cttggcagga ctttcttttt cccatttcat tcatgacttg 600  
 tggccaattg tggcccanca agggctctat gcattctaaa ccattccttg aaggcctttc 660  
 cttccaagtg gagcttcccg ttgtggaagg ccacattgtc gtggggggcac ccttgggttg 720  
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 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (548)..(548)  
 <223> a, c, g or t

<220>  
 <221> misc\_feature  
 <222> (572)..(572)  
 <223> a, c, g or t

<220>  
 <221> misc\_feature  
 <222> (786)..(786)  
 <223> a, c, g or t

<400> 105  
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 agttataagc ccctttggct tacttggtag aagatggcta cttggatgta ctcacttaa 180  
 agatgttttg taccacacta ggtctctggg cccttgtgct tcctgtgggt ggggtgaggg 240  
 ccaaagtgct atggtttccct gcctccagtg atagatggag ataaagtgct tctcatggcc 300  
 ccgtccaatg cctgggtgaa ggactgtggc actccaaagc gtgagccaga ggggtaatct 360  
 gcctgatgtc tcgtccatt caatctctg ctggaccgtt gggaggcatt ctagagctct 420

20170820 06082007

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 gttgcgtntg tgtggcacac catttctgtc cncatttcag ctgttcagct acatcttagc 600  
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 acgaacacct tggcaggact ttctttttcc catttcattc atgacttggt gccaatgtg 780  
 gccancaaag ggctctatgc attctaaacc attccttgaa ggcttttctt tccaagtgga 840  
 gcttcccgtt gtggaaggcc acattgtcgt gggggcaccc ttgggttgcc tgtgtgggcc 900  
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 tctttgtcc cttgg 975

<210> 106  
 <211> 735  
 <212> DNA  
 <213> Homo sapien  
 <220>  
 <221> misc\_feature  
 <222> (627)..(627)  
 <223> a, c, g or t

<400> 106  
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 atctccgtga ggaatgtgtg ctcatatata taaaaatgtg tttaaaaggg attgtgtaac 180  
 catttattct tctccatata tgtgtatgtg cgcaacaatg tgcacaaaac gccatagtgt 240  
 gtgctccact cgtgttataa gttctaacag cacgccacct ataagacagg gagaaatact 300  
 tctctctcca caaaggtttt cacattttca caaaatataa ggtgtgacag ggcgcgccac 360  
 agtgtgtgtg tgcggtgctc tttgtgagag aggtcgtgcg caccagtgtg tgtggagaaa 420  
 gagactctcc acagactata aaacatgtag acaccactct ctgtgtgtac cccacactc 480  
 tctctctcag agagaacctt ctctttctca caaagcgtct gtgagcggcg cgccccaca 540  
 cacaaagaga gagagagcag agaagacgct ctatttattt ctctgagcca acacacggcg 600  
 tgcggagatt tgtgcgtctc ctcgtnngct ctctcgaggg ggctcctctg tgtggactct 660  
 ctgagcttat aaaatgttgt gcgtcccacc atctcggttt tcttctctca tttgaggaaa 720  
 gagcttgggg gggaa 735

<210> 107  
 <211> 751  
 <212> DNA

<213> Homo sapien

<400> 107

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ctggacatct actcgtgcc a gtggatgatg ccttcccacg agcaaggagc tgatcgaagg      120
tcgctgtaaa ggaatgtctt gaagaaaggc tcaagagtaa acgtgattcc tccattctat      180
gaggaatgaa gtatgggtcca agatcccat ggtgatgact gccgtgttgc agcagttgtg      240
tccgatgctg tagtgaaaag gggtcggagg atcgggtaag gctgtgtgac tgtctcctcg      300
agtgagcctc catgctaatt ccctccctc gcttgaaata gtgcttgta gtggaagggtg      360
gtgctgggtt gaatatctcg ctacatact gtcgcaccac catcctcgtc ttacggttgc      420
ccacaatgaa ggtaccaaca atcttttcac ttcacacatg agaagttatg gcattaagca      480
aacaagatca aagtgtttgt attttccgtc tgaacgggga gaacggggcg tccgttttgt      540
ccccctggcg tggtttcccc agaacacata aacacagaaa accaacaatt taggaattgg      600
tcccaaaaca acaaacaaga gcaaacagag aagagaaaac aaaagaggcg cgggcgggta      660
acaccccgctg ggcccaacga ggggtgtccc gcgggggtgg aacaggtggc tcccgcgccc      720
acaattcccc accaacacgg ggccacaacg g                                751
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<210> 108

<211> 640

<212> DNA

<213> Homo sapien

<400> 108

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ccccctctt cttttttctt cttctggttg ttttgttctc ttttatttat tatgataata      240
ttatgtctta ttaatcataa tattatgtgt tgggtgggtg cttcttcgtc tgattatcta      300
tcaatatctg tttgtgtggt acagatttct agccgcgggtg tgtctccctg cgcgcgtgat      360
aaaacaacag ccctctctct cctctcccg tcttctcttt cttatttgtg ctaatccagc      420
aaacgaagag aaagatgcaa cacactttgt tggctcagtc tcctgactcg aaccatcgca      480
cccagcga aaacacaga agaacagaga cggtcggggc gggacagtaa tgctagtggg      540
caacaatgta ccccccgcc ggtgagacaa gaaactatcg tcttctacgg ccgcatgaac      600
ttctaccaca actaaacaaa tgacgcaaca aaaaaagggc                                640
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<210> 109

<211> 533

<212> DNA

<213> Homo sapien

<400> 109  
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aggggaaaaa aaaaaaaaaa gagaaaccct ttgatttcca cgttgcccat tcgtcaagac 120  
atttccactt cacagatttt gaggtttctg atttccaggt tctgagtttt cccaattggt 180  
taattgttaa ccagaacttg gcacacacac atttaagaat gaattgttaa tttatttatt 240  
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tattttataa gaacaaaaaa cttttttgct aacgacttat tttgcagttt taaaaattca 360  
attaaccccc gtttttttca ggaaacaaaa aaagaaaaaa aaaaaaaaaa aaaaaaaaaa 420  
aaccctgtgg tatatatctg tggccaaata gccttttctc cgtgggtgtg ttaaattggt 480  
taactccgca catcaaaatt cccacaaaac tatatgtgac acacaaaggg agt 533

<210> 110  
<211> 262  
<212> DNA  
<213> Homo sapien

<400> 110  
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gaacgcagta ttgcaaata tctcatggac aaagtgacaa cagcactaca agcaaacaat 180  
cacataagcc catacatcga tcaacaaaga tactacaact acgccagcgt agggatacaa 240  
cccagactga ctcacatcac aa 262

<210> 111  
<211> 1494  
<212> DNA  
<213> Homo sapien

<400> 111  
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aacaccgact cccccctcac tcacaccact acgaaacaac accaccacctt cgcaccacca 660  
 caccataact taccttaca cgcacctta ccacagaacc ctactaactt cccaacaca 720  
 cccctacggc gatgaccacc tttaacctata cctaacctta acaacacctt tcgaacctcg 780  
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 cggcacgcag ctgtcgacat catcatacac tcctcttctt ccgcgttccg tggcggcggc 1440  
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<210> 112  
 <211> 811  
 <212> DNA  
 <213> Homo sapien

<400> 112  
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 ttaagagggg caaatttgga tccctttttt gtaaaaaaaaa tttttttttt tttttttttt 180  
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 ctgttgctgc gccactcttg tgttatacaa agggatgggt cccagcagg gtggaagagg 300  
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 ccaccagaaa agtcctatct ctacgcgcg cgcgaggaac cctccgcgag ggccgcggac 660  
 aactgcaagg gatatttccg cgcgcccaca caccgtgggg gggcaccaac cgcggggccc 720  
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ccaccacaaa ctaccacacca cccaccacg g 811

<210> 113  
 <211> 1506  
 <212> DNA  
 <213> Homo sapien

<400> 113  
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 agatgtgtgt acaaccatat gacacaaaca cacagatgaa caacaaacat atttttgcaa 600  
 aaaaaaaca gctgtgtaat ataagagtgt gtgtgtgtgt gttcccctgc gagagtattt 660  
 acatatatat ctctccacg cgcgaggggac aacacacatc ttttaccata gagagatgag 720  
 tgcccccca gggttatata acacacacaa acgcgtgctc tccgcggagg gagacaaaac 780  
 aacatatcta ctgtgtggag agaaaaaat ataacttctc tacacctttt tgagcagaaa 840  
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 tcgaacttat actcctacat tctccttagc acctcactgc cacgaacacc actctccctg 1140  
 aacacagaca ttcagtcac acctatcaca aaccaaata catcccacc gtcaccatc 1200  
 tccactactc tacataaaca caaacctcac tcccacaaa ccaccacaca cactactac 1260  
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 tcacacatca cgccacacat ataccaccc tctcactcaa ccaaccacaa aaacaaacaa 1380  
 actacaccac actccaccat ccccaaccaa actcccacaa ccaacacaaa tcacaacaca 1440  
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 aaacac 1506

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<210> 114  
 <211> 779  
 <212> DNA  
 <213> Homo sapien

<400> 114  
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 tttttttttt ttttttttgg tccatgttta aaaaaagtgg aactatgggc ttaattatca 180  
 atgggccagg gggggcctga ataagggggt tagtcgtgct caaggggatg ggtgtgggcg 240  
 ctgggtggaag atagatcgac aaaaatgtgc ttgaaatgag aaatgggtgt gttgggtgta 300  
 agaaggtgcc atgtgcccaa tgggtgctcc tcatgtgtcc tgcattctctg ggagaatgag 360  
 cgacacgcct ttgagagaaa gagatgtcat tggcaacgcc atggtatcag gcgcccacca 420  
 aatcaatata ttacaacaaa tatctctgga aaacatctca cgtctggacc atccactggg 480  
 cgggtgtgtc catgttcctc ccatcaatgc gcggtcagt gaccaccaag gagtccttct 540  
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 aaatctatgg gcacattaac gctggtatcc ctgggtgtga gacaattggg cacatcgcgc 660  
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 gggcacacaa gacaacaacg gaacccaaaa aaaagcaaga aaaaacaaca gggacaaca 779

<210> 115  
 <211> 195  
 <212> DNA  
 <213> Homo sapien

<400> 115  
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 aacattgttg agcaaaatgt gccatgcaaa atgtgccagt gaacctgtaa aaatgtgcct 180  
 gctgtttgct tggct 195

<210> 116  
 <211> 62  
 <212> PRT  
 <213> Homo sapien

<400> 116

Met Pro Ser Gln Asn Ala Val Phe Ser Gln Glu Gly Asn Met Glu Glu  
 1 5 10 15

Glu Glu Met Asn Asp Gly Ser Gln Met Val Arg Ser Gln Glu Ser Leu  
 20 25 30

10078090.021402

64

Thr Phe Gln Asp Arg Gly Arg Gly Leu His Gln Arg Gly Val Gly Pro  
35 40 45

Ala Val Pro Ala Arg Ala Ala Asp Pro Ser Tyr Cys Arg Pro  
50 55 60

<210> 117  
<211> 414  
<212> PRT  
<213> Homo sapien

<400> 117

Gln Glu Ser Leu Thr Phe Gln Asp Val Ala Val Asp Phe Thr Arg Glu  
1 5 10 15

Glu Trp Asp Gln Leu Tyr Pro Ala Gln Lys Asn Leu Tyr Arg Asp Val  
20 25 30

Met Leu Glu Asn Tyr Arg Asn Leu Val Ala Leu Gly Tyr Gln Leu Cys  
35 40 45

Lys Pro Glu Val Ile Ala Gln Leu Glu Leu Glu Glu Glu Trp Val Ile  
50 55 60

Glu Arg Asp Ser Leu Leu Asp Thr His Pro Asp Gly Glu Asn Arg Pro  
65 70 75 80

Glu Ile Lys Lys Ser Thr Thr Ser Gln Asn Ile Ser Asp Glu Asn Gln  
85 90 95

Thr His Glu Met Ile Met Glu Arg Leu Ala Gly Asp Ser Phe Trp Tyr  
100 105 110

Ser Ile Leu Gly Gly Leu Trp Asp Phe Asp Tyr His Pro Glu Phe Asn  
115 120 125

Gln Glu Asn His Lys Arg Tyr Leu Gly Gln Val Thr Leu Thr His Lys  
130 135 140

Lys Ile Thr Gln Glu Arg Ser Leu Glu Cys Asn Lys Phe Ala Glu Asn  
145 150 155 160

Cys Asn Leu Asn Ser Asn Leu Met Gln Gln Arg Ile Pro Ser Ile Lys  
165 170 175

Ile Pro Leu Asn Ser Asp Thr Gln Gly Asn Ser Ile Lys His Asn Ser  
180 185 190

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Asp Leu Ile Tyr Tyr Gln Gly Asn Tyr Val Arg Glu Thr Pro Tyr Glu  
 195 200 205  
 Tyr Ser Glu Cys Gly Lys Ile Phe Asn Gln His Ile Leu Leu Thr Asp  
 210 215 220  
 His Ile His Thr Ala Glu Lys Pro Ser Glu Cys Gly Lys Ala Phe Ser  
 225 230 235 240  
 His Thr Ser Ser Leu Ser Gln Pro Gln Met Leu Leu Thr Gly Glu Lys  
 245 250 255  
 Pro Tyr Lys Cys Asp Glu Cys Gly Lys Arg Phe Ser Gln Arg Ile His  
 260 265 270  
 Leu Ile Gln His Gln Arg Ile His Thr Gly Glu Lys Pro Phe Ile Cys  
 275 280 285  
 Asn Gly Cys Gly Lys Ala Phe Arg Gln His Ser Ser Phe Thr Gln His  
 290 295 300  
 Leu Arg Ile His Thr Gly Glu Lys Pro Tyr Lys Cys Asn Gln Cys Gly  
 305 310 315 320  
 Lys Ala Phe Ser Arg Ile Thr Ser Leu Thr Glu His His Arg Leu His  
 325 330 335  
 Thr Gly Glu Lys Pro Tyr Glu Cys Gly Phe Cys Gly Lys Ala Phe Ser  
 340 345 350  
 Gln Arg Thr His Leu Asn Gln His Glu Arg Thr His Thr Gly Glu Lys  
 355 360 365  
 Pro Tyr Lys Cys Asn Glu Cys Gly Lys Ala Phe Ser Gln Ser Ala His  
 370 375 380  
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 385 390 395 400  
 Lys Cys Glu Gln Thr Val Arg His Ser Pro Ser Phe Ser Ser  
 405 410

<210> 118  
 <211> 160  
 <212> PRT  
 <213> Homo sapien  
 <400> 118

10078090-021402

66

Met Gln Leu Val Leu Leu Val Pro Val Cys Pro Thr Ile Gly Val Phe  
1 5 10 15

Phe Arg Arg Leu Gly Pro His Phe Asp Val Gly Arg Phe Leu Cys Leu  
20 25 30

Trp Gln Phe Val Val Pro Gln Ser Leu Pro Cys Arg Trp Arg Gly Ala  
35 40 45

Arg Gly Phe Arg Thr Leu Gly Val Leu Phe Leu Val Val Pro His His  
50 55 60

Gly Ala Ser Ser Gly Cys Arg Leu Arg Arg Cys Arg Phe Phe Cys Ser  
65 70 75 80

Cys Gly Ser Ala Ser Val Asp Leu Phe Ala Leu Gly Trp Ile Cys Leu  
85 90 95

Ser Leu Arg Arg Pro Ser Val Arg Cys Arg Trp Ile Pro Leu Val Thr  
100 105 110

Ala Arg Val Ala Cys Ala Ala Cys His Ala Gly Thr Pro Pro Leu Cys  
115 120 125

Ala Phe Leu Gly Arg Cys Ser Ile Thr Ala Cys Cys Thr Ser Phe Cys  
130 135 140

Phe Ser Leu Phe Thr Ala Phe Val Cys Pro Val Ala Cys Met His Arg  
145 150 155 160

<210> 119  
<211> 121  
<212> PRT  
<213> Homo sapien

<400> 119

Met Arg Glu Lys His Asn Arg Arg Arg Gln Gln Pro Asp Glu Asp Thr  
1 5 10 15

Gln Arg Glu Ser Lys Lys Pro Gln Gln Ser Ser Thr Lys Thr Thr Gln  
20 25 30

Thr His Lys Val Ile Pro Tyr His His Asp His Ser Pro Thr Thr Gln  
35 40 45

His Arg Lys Asp Lys Asn Val Lys Ala Arg Asp Gln Pro His Pro Asn  
50 55 60

10078090.021402

67

Ile Ala Glu Asn Asp Glu Thr Pro Gln Lys Val Asn Asn Met Met Lys  
65 70 75 80

Asp Lys His Asn Lys Ala Lys Pro Asn Thr Lys Gln Ala Lys Lys Gly  
85 90 95

Lys Lys Asn Arg His Asp Ser Asp Ser Arg Ser Thr Lys Arg Ile Arg  
100 105 110

Arg Lys Gln Ile Lys Thr Thr Asp Arg  
115 120

<210> 120  
<211> 15  
<212> PRT  
<213> Homo sapien

<400> 120

Met Trp Ala Thr Val Val Leu Leu Arg Gln Lys Lys Lys Arg Thr  
1 5 10 15

<210> 121  
<211> 97  
<212> PRT  
<213> Homo sapien

<400> 121

Met Lys Lys Glu Ile Phe Pro Leu Phe Ser Asn Arg Pro Ser Ser Pro  
1 5 10 15

Thr His Glu Ser Tyr Pro His Leu Leu Leu Leu Pro Val Arg Lys Tyr  
20 25 30

Gly Ser Cys His Thr His Pro Asp Ala Ser Val Leu Pro Pro His Cys  
35 40 45

Leu Ser Asn Val Ser Leu Ser Leu Gln Cys Phe Asp Arg Lys Gly Gln  
50 55 60

Arg Thr Leu Gly Ser Gly Thr Arg Val Phe Thr Leu Gln Ala Leu Met  
65 70 75 80

Glu Phe Glu Gln Asn Pro Ala Ser Phe Ile Thr Val Arg Ser Gly Trp  
85 90 95

His

<210> 122

204T20-0608400T

<211> 19  
 <212> PRT  
 <213> Homo sapien

<400> 122

Met Glu Thr His Leu Glu Ala Phe Pro Trp Gln Ser Val Thr Arg Ile  
 1 5 10 15

Pro Asn Leu

<210> 123  
 <211> 59  
 <212> PRT  
 <213> Homo sapien

<400> 123

Met Ser Val Thr Phe Thr Cys Gly His Leu Tyr Lys Gln Cys Ser Phe  
 1 5 10 15

Asn Ser Asn Gly Ala Leu Thr Tyr Gly Gly Gly Lys Lys Thr Thr Arg  
 20 25 30

Ser Asn Trp Ser Cys Gly Asn Asn Asn Ser Pro Leu Leu Leu Asn His  
 35 40 45

Pro Tyr Ala Ala Gly His Val Leu Arg Ala Pro  
 50 55

<210> 124  
 <211> 41  
 <212> PRT  
 <213> Homo sapien

<400> 124

Met Ala Ala Ala Met Ser Pro Ile Pro Leu Ala Phe Ser Asp Leu Ala  
 1 5 10 15

Thr Ser Ser Ser Arg Gly Arg Val Ser Tyr His Pro Ala Leu His Leu  
 20 25 30

Gly Ser Pro Cys Asp Tyr Phe Asp Gln  
 35 40

<210> 125  
 <211> 84  
 <212> PRT  
 <213> Homo sapien

<400> 125

10078090-021402

69

Met Gly Gln Arg Leu Leu Val Leu Phe Arg Cys Pro Gly Ala Arg Thr  
1 5 10 15

Val Cys Thr Ser Ser Thr Glu Ser Gln Phe Gln Pro Asp Leu Leu Lys  
20 25 30

Cys Val Thr Lys Gly Val Ala Glu Phe Glu His Ile Ala Tyr Leu Lys  
35 40 45

Leu Gln Ile Ala Thr Met Trp Val Ser Lys Leu Asp Tyr Phe Cys Leu  
50 55 60

Tyr Gly Thr Ala Leu Thr His Ser Pro Ser Trp Ser Ser Gln Leu Gly  
65 70 75 80

His Ser Cys Leu

<210> 126  
<211> 28  
<212> PRT  
<213> Homo sapien

<400> 126

Met Leu Phe Phe Lys Lys Leu Thr Leu Phe Asn Asn Tyr Asn Asp Thr  
1 5 10 15

Glu Arg Cys Pro Ser His Thr Glu Ser Ser Arg Phe  
20 25

<210> 127  
<211> 23  
<212> PRT  
<213> Homo sapien

<400> 127

Met Trp Gly Tyr Leu Pro Ala Leu His Gln Phe Ser His His Asn Leu  
1 5 10 15

Ser Pro Gly Asn Lys Gln Arg  
20

<210> 128  
<211> 38  
<212> PRT  
<213> Homo sapien

<400> 128

Met Gln Ile Met Ile Leu Val Thr Ile Leu Leu Thr Leu Lys Thr Glu  
1 5 10 15

10076090.021402

Leu Ser Asp Thr Pro Phe Arg His Gln Thr Gly Tyr Glu Val Ala His  
 20 25 30

Thr Trp Asn Arg Pro Lys  
 35

<210> 129  
 <211> 55  
 <212> PRT  
 <213> Homo sapien

<400> 129

Met Ser Gln Gly Gly Tyr Cys Pro Ser Cys Phe Gln Ser Leu Ser Lys  
 1 5 10 15

Arg Leu Gly Ala Arg Lys Arg Val Phe Val Leu Leu Asn Val Ser Asn  
 20 25 30

Glu Cys Thr Val Glu Ala His Gly Glu Ser Leu Arg Trp Arg Glu Lys  
 35 40 45

Ser Gln Lys Gly Arg Leu Leu  
 50 55

<210> 130  
 <211> 171  
 <212> PRT  
 <213> Homo sapien

<400> 130

Met Ala Lys Phe Val Ile Arg Pro Ala Thr Ala Ala Asp Cys Ser Asp  
 1 5 10 15

Ile Leu Arg Leu Ile Lys Glu Leu Ala Lys Tyr Glu Tyr Met Glu Glu  
 20 25 30

Gln Val Ile Leu Thr Glu Lys Asp Leu Leu Glu Asp Gly Phe Gly Glu  
 35 40 45

His Pro Phe Tyr His Cys Leu Val Ala Glu Val Pro Lys Glu His Trp  
 50 55 60

Thr Pro Glu Gly His Ser Ile Val Gly Phe Ala Met Tyr Tyr Phe Thr  
 65 70 75 80

Tyr Asp Pro Trp Ile Gly Lys Leu Leu Tyr Leu Glu Asp Phe Phe Val  
 85 90 95

10078090-021402

Met Ser Asp Tyr Arg Gly Phe Gly Ile Gly Ser Glu Ile Leu Lys Asn  
 100 105 110

Leu Ser Gln Val Ala Met Arg Cys Arg Cys Ser Ser Met His Phe Leu  
 115 120 125

Val Ala Glu Trp Asn Glu Pro Ser Ile Asn Phe Tyr Lys Arg Arg Gly  
 130 135 140

Ala Ser Asp Leu Ser Ser Glu Glu Gly Trp Arg Leu Phe Lys Ile Asp  
 145 150 155 160

Lys Glu Tyr Leu Leu Lys Met Ala Thr Glu Glu  
 165 170

<210> 131  
 <211> 15  
 <212> PRT  
 <213> Homo sapien

<400> 131

Met Leu Ser Arg Ser Val Ala Arg Leu Glu Cys Ser Gly Thr Ile  
 1 5 10 15

<210> 132  
 <211> 51  
 <212> PRT  
 <213> Homo sapien

<400> 132

Met Leu Phe Leu Gln Met Pro Cys Leu Phe Arg Val Cys Ser Gln Met  
 1 5 10 15

Leu Pro Glu Gly Glu Thr Phe Phe Leu Cys Gln Ser Arg Phe Leu Gln  
 20 25 30

Ser Ser Ile Thr Pro Gln Lys Val Arg Ser Lys Arg Arg Leu Thr Phe  
 35 40 45

Ser Asp Lys  
 50

<210> 133  
 <211> 60  
 <212> PRT  
 <213> Homo sapien

<400> 133

Met Cys Val Cys Pro Val Pro Val Tyr Gln Leu Thr Asn Trp Glu Thr

20478090.021402

1                      5                      10                      15  
 Pro Arg Pro Trp Asp Pro Arg Thr Ser Asn Ser Val Ser Gly Met Phe  
                     20                      25                      30  
 Leu Arg Trp Ala Arg Gly Ser Pro Arg Val Phe Phe Phe Phe Phe Phe  
                     35                      40                      45  
 Phe Leu Leu Glu Ala Ile His Lys Lys Leu Phe Ser  
                     50                      55                      60  
  
 <210> 134  
 <211> 32  
 <212> PRT  
 <213> Homo sapien  
  
 <400> 134  
 Met Phe Pro Gly Asp Phe Ser Ala Phe Lys Leu Leu Glu Thr Ala Glu  
 1                      5                      10                      15  
 Ile Phe Val Lys Ser Lys Leu Phe Trp Lys Asn Glu Leu Ala Cys Ser  
                     20                      25                      30  
  
 <210> 135  
 <211> 136  
 <212> PRT  
 <213> Homo sapien  
  
 <400> 135  
 Met Phe Pro Arg Ile Leu Phe Ser Tyr Tyr Pro Ala Leu Tyr Phe Phe  
 1                      5                      10                      15  
 Val Asn Thr Pro Pro Thr Arg Ile Phe Phe Thr Ser Asp Asn Arg Gly  
                     20                      25                      30  
 Gly Pro Leu Gln Ile Leu Phe Thr Lys Trp Gly Thr Asn Gly Glu Asn  
                     35                      40                      45  
 Lys His Arg Trp Val Trp Val Glu Leu Asn Arg Ser Thr Thr Ser Gly  
                     50                      55                      60  
 Gly Leu Ser Ser Glu Lys Arg His Thr Thr Ser Gly Glu Gly Ala Ser  
 65                      70                      75                      80  
 Pro Pro His Pro Glu Asn Ser Pro Arg Ala Phe Arg Pro Arg Arg His  
                     85                      90                      95  
 Leu Val Val Ala Leu Arg Arg Ala Pro Pro Pro Phe Phe Phe Phe Phe  
                     100                      105                      110

10078090.021402



Phe Phe Phe Phe Val Phe Phe Phe Phe Phe Phe Phe Phe Phe Leu Ile  
                   115                                  120                                  125

Glu Lys Asn Leu Ser Gln Ile Gln  
           130                                  135

<210> 136  
 <211> 33  
 <212> PRT  
 <213> Homo sapien

<400> 136

Met Tyr Trp Thr Thr Lys Leu Ile Ile Ser Ser Lys Lys Ile Gln Lys  
   1                                  5                                  10                                  15

Gln Gln Thr Lys Lys Lys Thr Arg Gly Lys Pro Gly Thr Lys Gly Ser  
                   20                                  25                                  30

Arg

<210> 137  
 <211> 29  
 <212> PRT  
 <213> Homo sapien

<400> 137

Met Met Thr Lys Thr Leu Leu Asn Glu Asn Ser Ile Val Cys Glu Thr  
   1                                  5                                  10                                  15

Leu Lys Lys Ser Leu Phe Ile Ser Phe Cys Arg Trp Asn  
                   20                                  25

<210> 138  
 <211> 62  
 <212> PRT  
 <213> Homo sapien

<400> 138

Met Gly Leu Pro Met Phe Ala Arg Leu Val Phe Glu Leu Leu Gly Ser  
   1                                  5                                  10                                  15

Lys Pro Ile Pro Thr His Leu Gly Pro Pro Gln Ser Ala Gly Asn Tyr  
                   20                                  25                                  30

Arg His Glu Pro Leu His Leu Pro Ala Leu Val Thr Leu Asn Glu Leu  
           35                                  40                                  45

10078090-021402

74

Leu Asn Leu Cys Ile Ser Ile Ser Leu Leu Ala Lys Trp Arg  
50 55 60

<210> 139  
<211> 84  
<212> PRT  
<213> Homo sapien

<400> 139

Met Ala Val Gly Arg Gly Leu Pro Gly Val Thr Ala Lys Leu Cys Val  
1 5 10 15

His Arg Gln Ala Gly Arg Met Leu Gln Pro Cys Gly Val Gly Thr Val  
20 25 30

Glu Ala Phe Leu Cys Val Ala Glu Asn Val Ser Gln Ile Ser Gly Asn  
35 40 45

Trp Asp Arg Lys Val Pro Arg Gly Ala Cys Met Gly Arg Leu Gln Lys  
50 55 60

Val Ser Pro His Phe Met Phe Val Ile Ala Ala Gln Asp Arg Gln Thr  
65 70 75 80

Pro Arg Gly Trp

<210> 140  
<211> 72  
<212> PRT  
<213> Homo sapien

<400> 140

Met Leu Ile Lys His Phe Thr Phe Ile Ile Lys Tyr Val Ala Met Phe  
1 5 10 15

Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe  
20 25 30

Phe Phe Phe Ser Leu Ser Pro Ser Phe Phe Phe Phe Tyr Ser Pro Ser  
35 40 45

Gly Thr Pro Arg Gly Gly Glu Gly Asp Arg Gly Thr Arg Arg Glu Gly  
50 55 60

Ala Arg Arg Glu Arg Ala Arg Arg  
65 70

<210> 141

2047220-06082007

75

<211> 76  
 <212> PRT  
 <213> Homo sapien

<400> 141

Met Gly Lys Lys Ala Leu Asp Gln Leu Arg Ile Leu Arg Arg Leu Pro  
 1 5 10 15

Ser Gln Gly Trp Pro Val Lys Gly Cys Ile Leu His Thr Arg Ile Asp  
 20 25 30

Leu Thr Gln Gln Gln Arg Glu Lys Thr Ser Gln Ala Gln Ser Leu Ser  
 35 40 45

Pro Cys Gly Ser Ile Phe Thr Ile Ser Val Ser Cys Arg Gln Ser Asn  
 50 55 60

Trp Arg Tyr Gln Ala Ile Pro Gln Ile Leu Leu Phe  
 65 70 75

<210> 142  
 <211> 32  
 <212> PRT  
 <213> Homo sapien

<400> 142

Met Leu Ile Ser Arg Ile Ser Asn His Leu Leu Lys Phe Tyr Ala Leu  
 1 5 10 15

Ile Gly Val Ala Ile Gln Asp Phe Lys Lys Ile Phe Glu Pro Ser Gln  
 20 25 30

<210> 143  
 <211> 108  
 <212> PRT  
 <213> Homo sapien

<400> 143

Phe Leu Arg Gln Ser Leu Arg Ser Val Ala Gln Ala Gly Val Gln Ala  
 1 5 10 15

Arg His Leu Gly Ser Leu Gln Pro Leu Ser Leu Arg Phe Lys Ala Phe  
 20 25 30

Ser Cys Leu Ser Leu Leu Ser Ser Trp Asp Tyr Arg His Ala Pro Pro  
 35 40 45

His Pro Ala Asn Phe Phe Val Phe Leu Val Glu Met Gly Phe Thr Val  
 50 55 60

204720-06082007

Leu Ala Arg Met Val Ser Ile Ser Ala Thr His Asp Pro Pro Ala Leu  
65 70 75 80

Ala Cys Gln Ser Ala Gly Ile Thr Gly Ala Arg Arg His Pro Arg Leu  
85 90 95

Ile His Ile His Phe Leu Ile Phe Glu Tyr Gln Ser  
100 105

<210> 144  
<211> 199  
<212> PRT  
<213> Homo sapien

<400> 144

Met Thr Thr His Glu Pro His Pro Arg His Lys His Ala Thr Thr Pro  
1 5 10 15

Ala Arg Thr His Pro Pro Asn His Glu Pro His Thr Pro Pro His Thr  
20 25 30

Thr Pro Thr Ser Pro Thr Thr Thr Pro Ala Thr Thr Pro Arg Thr His  
35 40 45

Thr Thr Thr Pro Thr Thr Ala Gln Thr Arg Arg Asp Arg Thr Ala Glu  
50 55 60

Lys Thr Thr Gln Arg Gly Gly Lys Glu Asp Asn Asp Ala Glu Gly Arg  
65 70 75 80

Arg Lys Arg Gly Pro Ile Thr Pro Pro Ala Ser Gly Ala Glu Ser Arg  
85 90 95

Gly Gly Leu Ala Arg Arg Ala Arg Trp Pro Pro Ala Asn Thr Thr Arg  
100 105 110

His Ala Thr Asn Asp Pro Thr His Gln Arg Thr Ala Gln Gln Gln Arg  
115 120 125

Arg Thr Ala Arg Asp Gln Arg Gly Thr Ala Asp Arg His Thr Asp Ala  
130 135 140

Arg Gly His Asp Gln Arg Arg Arg Thr Thr Gly Asp Asp Thr Arg Gln  
145 150 155 160

Ala Thr Gln Arg Ala Gln Pro Thr Gly Arg Glu Glu Lys Arg Gly Lys  
165 170 175

204720-06082007

Lys Asn Ala Lys Ala Arg Pro Ala Ala Asn Arg Gly Ala Asn Gly Pro  
 180 185 190

Gln Ala Ala Ala Ala His Glu  
 195

<210> 145  
 <211> 88  
 <212> PRT  
 <213> Homo sapien

<400> 145

Met Arg Gly Ile Asn Pro Asp Pro Ser Val Cys Gly Ile Cys Asp Phe  
 1 5 10 15

Tyr Ser Ser Lys Val Ser Ile His Val Pro His Ser Glu Leu Ser Gln  
 20 25 30

Lys Asn Phe Ile Thr Leu Phe Ile Phe Phe Leu Arg Gly Lys Phe Lys  
 35 40 45

Gln Arg Lys Ser Leu Ala Gly Tyr Thr Gln Trp Leu Ile Gly Val Asp  
 50 55 60

Leu Arg Gly Gly Asp Asn Cys Val Tyr Ser Arg Ser His Thr Ser Pro  
 65 70 75 80

His Asn Tyr Tyr Arg Thr Asn Thr  
 85

<210> 146  
 <211> 63  
 <212> PRT  
 <213> Homo sapien

<400> 146

Met Trp Glu Gln Asn Phe Ile Cys Ala Phe Ile Val Glu Gln Glu Ser  
 1 5 10 15

His Leu Ala Leu Tyr Pro Ser Ser Leu Leu Tyr Asn Ser His Arg Asn  
 20 25 30

Val Ile Lys Leu Ala Ser Asn Trp Thr Arg Arg Lys Arg Trp Glu Thr  
 35 40 45

Pro Gly Ser Ile Ser Arg Val Arg Pro Pro Glu Lys Gly Ser Val  
 50 55 60

204T20"0608200T

<210> 147  
 <211> 50  
 <212> PRT  
 <213> Homo sapien

<400> 147

Met Arg Pro Pro Ile Thr Leu Leu Gly Ala Arg Asp Lys Asn Lys Lys  
 1 5 10 15

Ser Trp Ala Val Pro Arg Gly Ala Ser Ala Trp Cys Pro Gly Gly Lys  
 20 25 30

Met Gly Asn Pro Ala His Asn Pro Pro Thr Thr Ile Pro Ala Gln Arg  
 35 40 45

Thr Arg  
 50

<210> 148  
 <211> 36  
 <212> PRT  
 <213> Homo sapien

<400> 148

Met Pro Gln Gly Lys Lys Tyr Asn Thr Tyr Ile His Lys Gln Lys Lys  
 1 5 10 15

Gln Glu Arg Ile Gln Met Ser Phe Asn Arg Gly Met Leu Thr Leu Met  
 20 25 30

Val Ala Tyr Ser  
 35

<210> 149  
 <211> 98  
 <212> PRT  
 <213> Homo sapien

<400> 149

Met Ser Ser Ser Ala Pro Thr Pro Trp Gly Ala Lys Gly Gly Glu Leu  
 1 5 10 15

Trp Arg Pro Glu Lys Pro Thr Phe Ser Thr His Gly Glu His Arg Tyr  
 20 25 30

Glu Pro His Trp Ser Asn Pro Gln Ala Leu Phe Phe Phe Leu Phe Phe  
 35 40 45

Phe Phe Phe Phe Phe Arg Lys Arg His Val Ile Tyr Phe Met Asn Ser  
 50 55 60

204720.0608407

Ile Ser Arg Leu Ser Gly Asn Met Glu His Trp Gly Thr Asp Pro Ser  
65 70 75 80

Thr Glu Gly Phe Ala Ser Leu Leu Trp Phe Ser Cys Gln Leu Met Ile  
85 90 95

Arg Pro

<210> 150  
<211> 94  
<212> PRT  
<213> Homo sapien

<400> 150

Met Cys His Leu Leu Ile Phe Ile Arg Asn Leu Ser Leu Val Ala Thr  
1 5 10 15

Trp Pro Asn Thr Leu Gln Ser Met Ser Val Cys Leu Ser Val Cys Val  
20 25 30

Ser Leu Cys Val Cys Val Cys Val Cys Val Cys Val Cys Val Cys Val  
35 40 45

Cys Val Ser Pro His Ser Phe Ile Leu Ser Leu His Ser Ser Ile Ile  
50 55 60

Ile Asn Ile Arg Glu Ile His Arg Lys Tyr Ile Glu Lys Ile Thr Val  
65 70 75 80

Phe Ser Ile Lys Lys Lys Gln Leu Pro Ser Leu His Ser Phe  
85 90

<210> 151  
<211> 260  
<212> PRT  
<213> Homo sapien

<400> 151

Leu Arg Arg Ala Lys Ala His Glu Gly Leu Gly Phe Ser Ile Arg Gly  
1 5 10 15

Gly Ser Glu His Gly Val Gly Ile Tyr Val Ser Leu Val Glu Pro Gly  
20 25 30

Ser Leu Ala Glu Lys Glu Gly Leu Arg Val Gly Asp Gln Ile Leu Arg  
35 40 45

204720.06082001

Val Asn Asp Lys Ser Leu Ala Arg Val Thr His Ala Glu Ala Val Lys  
50 55 60

Ala Leu Lys Gly Ser Lys Lys Leu Val Leu Ser Val Tyr Ser Ala Gly  
65 70 75 80

Arg Ile Pro Gly Gly Tyr Val Thr Asn His Ile Tyr Thr Trp Val Asp  
85 90 95

Pro Gln Gly Arg Ser Ile Ser Pro Pro Ser Gly Leu Pro Gln Pro His  
100 105 110

Gly Gly Ala Leu Arg Gln Gln Glu Gly Asp Arg Arg Ser Thr Leu His  
115 120 125

Leu Leu Gln Gly Gly Asp Glu Lys Lys Val Asn Leu Val Leu Gly Asp  
130 135 140

Gly Arg Ser Leu Gly Leu Thr Ile Arg Gly Gly Ala Glu Tyr Gly Leu  
145 150 155 160

Gly Ile Tyr Ile Thr Gly Val Asp Pro Gly Ser Glu Ala Glu Gly Ser  
165 170 175

Gly Leu Lys Val Gly Asp Gln Ile Leu Glu Val Asn Gly Arg Ser Phe  
180 185 190

Leu Asn Ile Leu His Asp Glu Ala Val Arg Leu Leu Lys Ser Ser Arg  
195 200 205

His Leu Ile Leu Thr Val Lys Asp Val Gly Arg Leu Pro His Ala Arg  
210 215 220

Thr Thr Val Asp Glu Thr Lys Trp Ile Ala Ser Ser Arg Ile Arg Glu  
225 230 235 240

Thr Met Ala Asn Ser Ala Gly Ser Gly His Ser Ala Arg Ser Asn Leu  
245 250 255

Gln Thr Pro Gly  
260

<210> 152

<211> 95

<212> PRT

<213> Homo sapien

<400> 152

20478090-021402



Met Trp Val Leu Val Leu Gly Ala Leu Leu Ala Gly Ile Ile Pro Leu  
1 5 10 15

Cys Tyr Ser Pro Gly Ile Gln Arg Phe Leu Pro Pro Trp Gly Leu Pro  
20 25 30

Pro Thr Ala Phe Cys Arg Gln Cys Val Phe Ala Leu Val Ser Cys Gly  
35 40 45

Ala Arg Gly Ser Arg Ser Ala Gly Gly Val Ser Gly Gly Ala Pro Arg  
50 55 60

Cys Ala Pro Leu Phe Ile Trp Gly Ile Cys Val Cys Gly Gly Ser Pro  
65 70 75 80

Pro Trp Phe Ala Val Cys Arg Ala Cys Gly Ser Pro Arg Ser Val  
85 90 95

<210> 153  
<211> 62  
<212> PRT  
<213> Homo sapien

<400> 153

Met Phe Ser Val Val Val Trp Cys Leu Leu Val Arg Cys Val Val Val  
1 5 10 15

Asn Cys Gly Glu Leu Trp Arg Gly Ile Thr Asn Val His Pro Gly Gly  
20 25 30

Pro Ala Tyr Glu Pro Glu Ala Thr Pro Gln Ala Phe Phe Phe Cys Phe  
35 40 45

Phe Phe Leu Leu Val Lys Glu Pro Ser Phe Ile Ile Lys Gln  
50 55 60

<210> 154  
<211> 65  
<212> PRT  
<213> Homo sapien

<400> 154

Met Arg Leu Ile Gln Lys Arg Arg Ile Tyr Pro Ser Arg Lys Thr Glu  
1 5 10 15

Ile Asn Ser Ser Ser Pro Phe Thr Tyr Pro Pro Tyr Thr His Thr Tyr  
20 25 30

204720-06082007

Asn Thr His Thr His Thr His Thr Glu Arg Glu Arg Asp Leu Pro Gly  
35 40 45

Gly Ile His His Leu Arg Arg Ser Ser Asn Ala Ile Asn Gly Pro Phe  
50 55 60

Ala  
65

<210> 155  
<211> 51  
<212> PRT  
<213> Homo sapien

<400> 155

Met Ile Cys Ile Pro Leu Arg Lys Asn Ser Ser Trp Glu Phe Ile Arg  
1 5 10 15

Leu Phe Phe Ile Pro Ala His Lys Lys Lys Leu Leu Ala Leu Leu Leu  
20 25 30

Leu Lys Thr Glu Glu Pro Gln Glu Lys Ile Ser Phe Ser Tyr Arg Ala  
35 40 45

Lys Ile Lys  
50

<210> 156  
<211> 129  
<212> PRT  
<213> Homo sapien

<400> 156

Met Leu Leu Glu Arg Pro Gln Cys Asp Gly Cys Ala Arg Ala Gly Thr  
1 5 10 15

Ala Phe Phe Phe Phe Phe Phe Leu Gly Asn Gly Ile Leu Leu Cys His  
20 25 30

Pro Gly Trp Ile Lys Val Ala Gln Pro Trp Phe Thr Glu Thr Ser Ala  
35 40 45

Ser Trp Val Val Phe Lys Asn Ile Leu Leu Phe Ser Cys Val Leu Ser  
50 55 60

Ala Ser Pro Lys Leu Ala Val Gly Leu Thr Gly Leu Ala Thr Thr Ala  
65 70 75 80

Thr Gln Leu Asn Phe Val His Val Phe Ser Lys Ala Arg Gly Phe Ser

83

85

90

95

Leu Asn Leu Phe Gly Pro Gly Val Val Ser Arg Leu Leu Arg Glu Pro  
100 105 110

Gln Val Thr Pro Ser Val Pro Ser Arg Leu Leu Lys Met Trp Leu Val  
115 120 125

Tyr

<210> 157

<211> 71

<212> PRT

<213> Homo sapien

<400> 157

Met Ile Arg Gln Ala Val Phe Asn Ala Val Tyr Asn Cys Phe Ile Ile  
1 5 10 15

Ser Cys Ser Asp Cys Ser Leu Leu Val Cys Arg Asn Thr His Leu Phe  
20 25 30

Cys Asp Pro Cys Leu Gln Pro His Ser Leu Ile Ile Phe Ile Leu Ile  
35 40 45

Ala Ile Leu Arg Met Cys Ser Ile Tyr Arg Asp Pro Ile Ile Leu Val  
50 55 60

Glu Leu Lys Ile Cys Leu Cys  
65 70

<210> 158

<211> 69

<212> PRT

<213> Homo sapien

<400> 158

Met Arg Leu Pro Leu His His Val Leu Pro Leu Arg Asp Leu Ser Phe  
1 5 10 15

Gln His Tyr Ser Cys Lys Leu Gln Trp His Ser Thr Thr Phe Ile Pro  
20 25 30

Ser Ser Cys His Ser Leu Phe Phe His Ser Phe Leu Thr Val Cys Thr  
35 40 45

Pro Met Tyr Ala Ala Ile Phe Ile Ile Leu His Phe Leu Tyr Leu Ser  
50 55 60

10078090-021402

Ile Pro Asn Ile Leu  
65

<210> 159  
<211> 57  
<212> PRT  
<213> Homo sapien

<400> 159

Met Ser His Cys Thr Gln Pro Gly Glu Ser Phe Ile Met Gly Tyr Glu  
1 5 10 15

Val Tyr Arg Leu His Ser Asp Ser Thr Lys Leu Asp Phe Met Arg Ile  
20 25 30

Gln Leu Gln Leu Thr Phe Thr Ser Gly Leu Thr Leu Lys Arg Lys Ile  
35 40 45

Val Ser Gln Lys Asp Leu Trp Tyr Met  
50 55

<210> 160  
<211> 102  
<212> PRT  
<213> Homo sapien

<400> 160

Met Tyr His Phe Ser Thr Leu Arg Ala Cys Leu Gly Pro Phe Phe Cys  
1 5 10 15

Val Arg Cys Leu Gln Thr Ile Leu Thr Ile Leu Glu Arg Ala Leu Pro  
20 25 30

Arg Arg Glu Ser Arg Gly Thr Phe Leu Phe Ser Gln Lys Lys Pro Arg  
35 40 45

Val Ile Arg Phe Pro Pro Pro Gly Gly Gly Leu Leu Asn Gln Glu Val  
50 55 60

Asp Leu Leu Ala Ser Ile Ser Val Tyr Asn Pro Gln Pro Ser Gly Val  
65 70 75 80

Thr Thr Gly Leu Gln Arg Val Cys Asp Asn Val Ser Asn Ala Glu Lys  
85 90 95

Lys Thr Pro Ser Pro Val  
100

204720-06082007

<210> 161  
 <211> 70  
 <212> PRT  
 <213> Homo sapien

<400> 161

Met Val Met Cys Gln Pro Glu Gly Asn Val Tyr Ala Val Leu Arg Ser  
 1 5 10 15

Pro Leu Phe Leu Glu Asn Gln Gln Asn Arg Ala Asp His Leu Ala Tyr  
 20 25 30

His Phe Cys Val Leu Leu Val Pro Gly Ile Gly Leu Trp Phe Asp His  
 35 40 45

Cys Cys Asp His Cys Ser Ala Asp Cys Asp Leu Gln Asn Thr Glu Ser  
 50 55 60

Lys Leu Gln Ser Pro Trp  
 65 70

<210> 162  
 <211> 59  
 <212> PRT  
 <213> Homo sapien

<400> 162

Met Gly Cys His Lys Ser Gly Thr Gly Gly Phe Leu Ser Arg Gly Lys  
 1 5 10 15

Arg Thr Glu Pro Ala His His Val Met Pro Cys His Leu Arg Ile Leu  
 20 25 30

His Ser Ser His Gln Glu Glu Gly Pro His Gln Met Gln Pro Leu Asn  
 35 40 45

Phe Glu Leu Leu Ser Leu Gln Ser Cys Gln Lys  
 50 55

<210> 163  
 <211> 84  
 <212> PRT  
 <213> Homo sapien

<400> 163

Met Thr Thr Gln Thr Gly Asn Gln Leu Asp Ala His Gly Gly Ser Ala  
 1 5 10 15

Gln Ala Leu Phe Cys Phe Phe Leu Phe Phe Phe Tyr Leu Lys Tyr Leu

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Val Leu Asn Leu Val Gln Leu Asn His Trp Glu Phe Glu Phe Leu Phe  
 35 40 45

Lys Ser Cys Leu Trp Ser Ala Ser Tyr Gly Lys Pro Leu His Trp Ile  
 50 55 60

Pro Ser Thr Lys Thr Arg Leu Leu Lys Phe Lys Cys Gln Trp Gly Arg  
 65 70 75 80

Trp Glu Ala Ala

<210> 164  
 <211> 41  
 <212> PRT  
 <213> Homo sapien

<400> 164

Met Cys His His His Gly Asn His Ala Phe Trp Ala Pro Leu Gly Val  
 1 5 10 15

Thr Ala Pro Ser Ala Val Leu Phe Cys Phe Val Phe Leu Phe Cys Phe  
 20 25 30

Phe Ser Gln Leu Gly Lys Phe Asn Ile  
 35 40

<210> 165  
 <211> 51  
 <212> PRT  
 <213> Homo sapien

<400> 165

Met Arg Leu Phe Phe Thr Ser Leu Ser Gln Gly Cys Phe Phe Leu Val  
 1 5 10 15

Ile Cys Leu Leu Cys Phe Ile Arg Tyr Phe Ala Gln Ile Lys His Ser  
 20 25 30

Pro Gly Ala Gln Lys Lys Lys Lys Lys Lys Lys Lys Arg Pro Arg  
 35 40 45

Arg Asp His  
 50

<210> 166  
 <211> 31

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<212> PRT  
<213> Homo sapien

<400> 166

Met Trp Leu Val Phe Pro Leu Tyr Ile Lys Met Leu Leu Ser Gly Ile  
1 5 10 15

Ala Gln Asp Pro Gln Thr Asn Arg Asp Tyr Leu Pro Arg Thr Lys  
20 25 30

<210> 167  
<211> 74  
<212> PRT  
<213> Homo sapien

<400> 167

Met Ser His Thr Pro Val Thr Tyr Pro Ala Arg Gly Ser Gly Asn Ser  
1 5 10 15

Pro Ile Ser Ala Cys Val Ile Phe Gln Trp Trp Cys Ser Glu Val Cys  
20 25 30

Leu Pro Met Ala Ser Gln Pro Val Ala Gly Val Leu Trp Met Gly Leu  
35 40 45

Pro Ser Met Val Pro Leu Leu Ser Gln Glu Thr Gly Glu Asn Glu Ala  
50 55 60

Phe Ser Arg Val Phe Glu Val Ala Asn Ala  
65 70

<210> 168  
<211> 229  
<212> PRT  
<213> Homo sapien

<400> 168

Met Ser Leu Leu Cys Leu Leu Leu Ser Phe Leu Leu Phe Tyr Phe Ser  
1 5 10 15

Ala Leu Val Phe Ser Tyr Ala Ser Leu Phe Pro Leu Val Ala Ser Cys  
20 25 30

Cys Ser Val Leu Phe Val Phe Met Arg Ser Gly Gly Leu Cys His Val  
35 40 45

Cys Gly Leu Ala Leu Phe Val Cys Phe Leu Leu Val Gly Leu Leu Arg  
50 55 60

10078090-021402

88

Leu Arg Ser Pro Leu Tyr Thr Pro Leu Ser Val Ala Phe Arg His Ser  
65 70 75 80

Arg Arg Val Ser Phe Cys Cys Ala Phe Arg Val Ser Val Val Val Ser  
85 90 95

Leu Arg His Val Val Cys Val Arg Cys Val Ser Phe Met Val Leu Phe  
100 105 110

Ser Phe Ser Ser Leu Phe Ala Val Leu Leu Phe Val Arg Ser Phe Ser  
115 120 125

Leu Trp Phe Ala Phe Cys Ser Leu Val Pro Phe Leu Cys Ala Leu Val  
130 135 140

His Val Leu Phe Phe Arg Leu Leu Phe Leu Ser Ser Phe Val Val Leu  
145 150 155 160

Leu Ile Met Leu Phe Phe Val Leu Leu Phe Leu Thr Leu Leu Ser Cys  
165 170 175

Phe Ser Leu Ser Arg Pro Phe Cys Ser Phe Leu Cys Leu Tyr Ala Ser  
180 185 190

Met Ser Val Cys Leu Gly Arg Ala Arg Gly Cys Val Ile Ala Gly Ser  
195 200 205

Gly Arg Leu Leu Ala Ile Tyr Arg Leu Met Arg Cys Leu Val Ser Pro  
210 215 220

Cys Leu Leu Leu Ala  
225

<210> 169

<211> 34

<212> PRT

<213> Homo sapien

<400> 169

Met Leu Gly Phe Leu Ala His Phe Gln Arg Phe Ala Arg Lys Lys Val  
1 5 10 15

Pro Lys His Gln Leu Ile Ser Ser Ser Leu His Val Gly His Gly Asn  
20 25 30

Ile Ser

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<210> 170  
 <211> 51  
 <212> PRT  
 <213> Homo sapien

<400> 170

Met Gly Met Gly Ala Gly Lys Pro Phe His Thr Arg Thr Ser Cys Arg  
 1 5 10 15

Pro Trp Leu Pro Pro His Leu Phe Phe Phe Phe Phe Ser Glu Val  
 20 25 30

Asn Leu Asp Leu Cys Leu Phe Thr Pro His Tyr Val Lys Thr Gly Ala  
 35 40 45

Ser Phe Leu  
 50

<210> 171  
 <211> 46  
 <212> PRT  
 <213> Homo sapien

<400> 171

Met Cys Pro Cys Lys Arg Val Phe Ala Asp Thr Thr Ser Phe Ile Thr  
 1 5 10 15

Gln Gly Pro Gln Phe Ile Pro Phe Pro Gln Glu Val Pro Pro Pro Leu  
 20 25 30

Ser Glu Gly Lys Asn Phe Pro Ala Val Asn Tyr Arg Ala Tyr  
 35 40 45

<210> 172  
 <211> 45  
 <212> PRT  
 <213> Homo sapien

<400> 172

Met Ala Val Ala Phe Gln Ser Leu Ile Pro Trp Gly Leu Gln Leu Cys  
 1 5 10 15

Val Asn Lys Val Ala Ala Asp Glu Leu Val Leu Thr Arg Lys Met Lys  
 20 25 30

Ala Lys Tyr Ala Ser Ile Ser Ser Arg Gln His Thr Asp  
 35 40 45

<210> 173  
 <211> 59

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<212> PRT  
 <213> Homo sapien

<400> 173

Met Met Lys Leu Arg Trp Arg Ile Leu Lys Pro Gly Ala Glu Val Thr  
 1 5 10 15

Met Lys Arg Asn Val Gln Leu His Ser Ser Leu Gly Thr Glu Glu Asp  
 20 25 30

Leu His Arg Lys Lys Lys Lys Lys Lys Ser Leu Val His Gly Ile  
 35 40 45

Cys Pro Cys Val Asn Val Ser Arg Gln Ser Gln  
 50 55

<210> 174  
 <211> 59  
 <212> PRT  
 <213> Homo sapien

<400> 174

Met Lys Ile Gly Pro Met Phe Thr Trp Val Glu Thr Tyr Ile Thr His  
 1 5 10 15

Leu Gln Leu Gly Pro Leu Cys Gln Thr Ser Phe Gln Thr Gln Arg His  
 20 25 30

Ala Gly Ala Ser Ser Leu Ser Ile Asn Gly Ser Ala Val Gly Met Ser  
 35 40 45

Ala Val Gly Gly Leu Leu Leu Gly Glu Ser His  
 50 55

<210> 175  
 <211> 74  
 <212> PRT  
 <213> Homo sapien

<400> 175

Met Phe Thr Ile His Arg Val Arg Ile Pro His Lys Ile Phe Arg Arg  
 1 5 10 15

Pro His Ile Leu Ile Gly Ser Val Pro Ile Pro Ser Leu Phe Arg Gly  
 20 25 30

Pro Lys Leu Phe Phe Thr Ser Ser Ser Ala Ile Met Gly Asn Pro Phe  
 35 40 45

10078090.021402

Val Val Tyr Thr His Lys Arg Val Gly Arg Trp Asn Lys Pro Leu Tyr  
 50 55 60

Val Met Leu Leu Met Lys Val Ile Ser Leu  
 65 70

<210> 176  
 <211> 73  
 <212> PRT  
 <213> Homo sapien

<400> 176

Met Gln Ser Gln Leu His Ser Tyr Phe Phe Glu Arg Arg Ala Arg Phe  
 1 5 10 15

His Thr Leu Cys Ala Arg Asn Ile Asn Ile Ser Ser Ser Leu Gln Glu  
 20 25 30

Glu Val Pro Thr Ile Leu Val Met Pro His Ser Lys Lys Thr Ile Phe  
 35 40 45

Val Glu Lys Leu Phe Phe Gly Ala Thr Ala Phe Ala Leu Lys Asn Cys  
 50 55 60

Cys Leu Phe Thr Pro Pro Thr Tyr Phe  
 65 70

<210> 177  
 <211> 129  
 <212> PRT  
 <213> Homo sapien

<400> 177

Met Ala Val Ser Val Ser Leu Cys Ser Ser Pro Arg Cys Leu Ser Leu  
 1 5 10 15

Leu Phe Val Ala Ser Ala Arg Ala Thr Arg Pro Leu Leu Val Leu Ser  
 20 25 30

Val Val His Ser Arg Ser Trp Leu Val Leu Ser Cys Ala Phe Leu Ser  
 35 40 45

Ser Gly Ser Cys Pro Arg Arg Leu Leu Val Ser Cys Tyr Arg Val Gly  
 50 55 60

Cys Val Ser Pro Ser Gly Ala Ser Phe Ser Ser Ser Ala Ser Ser Ser  
 65 70 75 80

Ala Pro Phe Cys Trp Val Gly His Phe Cys Pro Arg Gly Asp Ser Arg

10078090-021402

92

85

90

95

Val Ile Pro Gly Glu Ser Thr Met Gly Met Arg His Thr Thr Cys Tyr  
100 105 110

Arg Arg Thr His Gly Arg Trp Phe Val Gly Cys Phe Val Val Val Cys  
115 120 125

Phe

<210> 178  
<211> 52  
<212> PRT  
<213> Homo sapien

<400> 178

Met Leu Gly Ile Val Gly Pro Gly Thr His Phe Thr Pro Gly Asp Tyr  
1 5 10 15

Arg Phe Gly Ala Leu Gly Val Ala Pro Ser Arg Phe Arg Cys Val Tyr  
20 25 30

Glu Cys Val Ser Ser Lys Arg Lys Lys Gly Thr Leu Asn Asn Pro Leu  
35 40 45

Gly His Ser Gly  
50

<210> 179  
<211> 90  
<212> PRT  
<213> Homo sapien

<400> 179

Met Met Phe Tyr Thr Gln Thr Pro Val Phe Val Pro Phe Val Pro Pro  
1 5 10 15

Asn Asn Ile Cys Pro Leu Ile Met Asn Tyr Tyr Thr Gln Ser Ala Ile  
20 25 30

Pro Gly Val Tyr Thr Pro Tyr Leu Arg Tyr Lys Phe Ser Pro Lys Ile  
35 40 45

Val Lys Lys Lys Lys Pro Pro Phe Leu Asn Asn Lys Thr Phe Val Pro  
50 55 60

Trp Asn Lys Arg Lys Phe Leu Pro Leu Pro Lys Lys Lys Lys Lys Lys  
65 70 75 80

10078090-021402

Lys Lys Gly Gly Gly Thr Cys Pro Ala Ala  
85 90

<210> 180  
<211> 142  
<212> PRT  
<213> Homo sapien

<400> 180

Met Ser Met Ser Cys Gly Ala Gly Ala Pro Leu Arg Val Cys Val Ser  
1 5 10 15

Trp Trp Leu Trp Val Gly Gly Arg Val Gly Ala Val Val Arg Pro Arg  
20 25 30

Ala Leu Trp Ser Ala Trp Gly Ala Val Gly Gly Gly Leu Leu Cys Val  
35 40 45

Val Ala Leu Phe Trp Leu Cys Ala Gly Arg Arg Gly Ala Arg Leu Pro  
50 55 60

Pro Ser Pro Cys Gly Ala Val Ala Val Ala Ala Val Asp Ala Gly Ala  
65 70 75 80

Ala Gly Gly Val Val Arg Gly Gly Gly Val Val Val Val Gly Arg Trp  
85 90 95

Leu Gly Arg Leu Gly Trp Val Val Gly Arg Val Cys Ala Arg Gly Pro  
100 105 110

Cys Leu Cys Arg Gly Gly Ala Trp Ala Gly Ala Ala Gly Arg Gly Gly  
115 120 125

Gly Gly Arg Arg Gly Arg Arg Gly Arg Ala Arg Gly Pro Gly  
130 135 140

<210> 181  
<211> 80  
<212> PRT  
<213> Homo sapien

<400> 181

Met Ser Arg Arg Gly Pro Pro Pro Phe Phe Phe Phe Phe Phe Phe  
1 5 10 15

Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe  
20 25 30

10078090.021402

Phe Phe Phe Phe Phe Lys Lys Lys Lys Lys Leu Leu Phe Ile Lys Lys  
35 40 45

Gly Gly Gly Gly Ala Arg Gly Gly Gly Gly Arg Ala Pro Gly Gly Gly  
50 55 60

Gly Gly Gly Glu Lys Thr Thr Lys Lys Arg Arg Thr Thr Ser Gly Pro  
65 70 75 80

<210> 182  
<211> 72  
<212> PRT  
<213> Homo sapien

<400> 182

Met Leu Glu Arg Arg Ser Val Met Asp Glu Arg Arg Pro Gly Arg Phe  
1 5 10 15

Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Leu Glu  
20 25 30

Lys Lys Phe Phe Lys Asn Pro Gln Lys Phe Pro Gly Gln Gly Gly Leu  
35 40 45

Pro Pro Gly Lys Lys Lys Lys Lys Lys Lys Ile Trp Ala Leu Trp Gly  
50 55 60

Leu Pro Leu Ser Leu Val Gly Gly  
65 70

<210> 183  
<211> 95  
<212> PRT  
<213> Homo sapien

<400> 183

Met Arg Pro Pro Lys Phe Tyr Ser Leu Leu Asn Val Ser Pro His Ser  
1 5 10 15

Arg Ala Leu Ser Ile Ala Pro Ser Thr Lys Lys Thr Ser Asn Arg Gly  
20 25 30

Glu Asp Val Arg Arg Gly Glu Val Pro Pro Arg Ala His Ser Arg Cys  
35 40 45

Lys His Cys Thr Thr Thr Pro His Pro Phe Gly Leu Cys Thr Thr Phe  
50 55 60

20478090.021402

95

Ser Thr Gly Gly Thr Thr Thr Phe Cys Arg Ser Ser Gln Thr Leu Ser  
65 70 75 80

Cys Leu Pro Ser Thr Pro Leu Leu Leu Pro Trp Val Leu Leu Cys  
85 90 95

<210> 184  
<211> 17  
<212> PRT  
<213> Homo sapien

<400> 184

Met Gly Glu Asp Lys Gln Asp Leu Phe Ala Phe Ala Ala Leu Ile Phe  
1 5 10 15

Leu

<210> 185  
<211> 71  
<212> PRT  
<213> Homo sapien

<400> 185

Met Ala Ala Asp Pro Ala Ser Ala Gln Gly Asp Ser Gly Thr Gly Tyr  
1 5 10 15

Val Ser Cys Leu Leu Ser Ile Phe Ala Gly Cys Ala Leu Gln Trp Cys  
20 25 30

Ala Leu Leu Leu Leu Leu Cys Leu Phe Phe Leu Arg Leu Phe Phe Gly  
35 40 45

Ile Leu Trp Arg Val Thr Pro Val Pro Thr Gly Thr Pro Phe Ala Pro  
50 55 60

Glu Ile Met Pro Pro Thr Phe  
65 70

<210> 186  
<211> 59  
<212> PRT  
<213> Homo sapien

<400> 186

Met Ala Leu Ser Leu Ala Ala Trp Thr Leu Leu Glu Glu Cys Val Ser  
1 5 10 15

Ser Arg Cys Leu Pro Thr Val Met Gly Gly Ser Leu Phe Ile Gly Leu  
20 25 30

20478090.021402

Leu Leu Cys Leu Leu Ala Ser Met Phe Gly His Val Val Ser Pro Ser  
 35 40 45

Trp Phe His Thr Tyr Trp Asn Leu Val Tyr Pro  
 50 55

<210> 187  
 <211> 80  
 <212> PRT  
 <213> Homo sapien

<400> 187

Pro Arg Lys Ala Leu Phe Thr Tyr Pro Lys Gly Ala Ala Glu Met Leu  
 1 5 10 15

Glu Asp Gly Ser Glu Arg Phe Leu Cys Glu Ser Val Phe Ser Tyr Gln  
 20 25 30

Val Ala Ser Thr Leu Lys Ala Val Lys His Asp Gln Gln Val Ala Arg  
 35 40 45

Met Glu Lys Leu Ala Gly Leu Val Glu Glu Leu Glu Ala Asp Glu Trp  
 50 55 60

Arg Phe Lys Pro Ile Glu Gln Leu Leu Gly Phe Thr Pro Ser Ser Gly  
 65 70 75 80

<210> 188  
 <211> 105  
 <212> PRT  
 <213> Homo sapien

<400> 188

Met Arg Thr Met Met Thr Cys Asp Lys Ile His His Val Ser Ile Ser  
 1 5 10 15

Gln Ser Leu Gln Ile Gln Ser His Asn Glu Pro Leu Met Gln Gln Ser  
 20 25 30

His Pro His Ser Leu Ile Ser Leu Gly Asn Ile Thr Ala Tyr Thr Met  
 35 40 45

Asn Asn Pro Leu Arg Tyr Ala Asp Ser Ser His His Ser Val Glu Asn  
 50 55 60

Ser Ile Leu Leu Thr Val Arg Pro Thr Val Leu Phe Pro Arg Ala Ser  
 65 70 75 80

10078090.021402



Val Glu Leu Gln Asn Arg Pro Ser Cys Asp Gln Pro Ser Gln Arg Leu  
85 90 95

Met Ser Gln Phe Val Ala Leu Asp Ser  
100 105

<210> 189  
<211> 83  
<212> PRT  
<213> Homo sapien

<400> 189

Met Cys Glu Ser Leu Ala Phe Leu Leu Leu Gln Phe Gly Tyr Phe Ala  
1 5 10 15

Leu Ile Ser Phe Val Asn Ser Ile Leu Tyr Ser Phe Asp Arg Arg Ala  
20 25 30

Tyr Cys Asn Lys Val Lys Ile Ile Ala Gln Lys Ile Leu His Ile Phe  
35 40 45

Ser Thr Asn Pro Tyr Cys Phe Leu Pro Thr Lys Asp Leu Tyr Tyr Ser  
50 55 60

Lys Cys Val Ser Thr Cys Leu Ala Leu Tyr Pro Gln Arg Lys Lys Cys  
65 70 75 80

His Leu Leu

<210> 190  
<211> 40  
<212> PRT  
<213> Homo sapien

<400> 190

Met Ile Thr Pro Leu His Ser Ser Leu Gly Lys Ser Asp Thr Gln Pro  
1 5 10 15

Lys Lys Asn Asn Lys Lys Lys Lys Lys Lys Asn Thr Trp Gly Ile Pro  
20 25 30

Trp Gly Lys Gly Cys Ser Gly Val  
35 40

<210> 191  
<211> 75  
<212> PRT  
<213> Homo sapien

10073090.021402

&lt;400&gt; 191

Met Thr Asn Asn Thr Pro Lys Phe Phe Phe Phe Phe Phe Phe Phe Leu  
 1 5 10 15

Gly Glu Thr Glu Ser Leu Thr Leu Ser Pro Arg Leu Glu Cys Ser Gly  
 20 25 30

Glu Ile Ser Ala His Cys Asn Leu Arg Leu Leu Asp Ser Cys Asp Ser  
 35 40 45

Pro Val Ser Ser Phe Pro Ser Ser Trp Gly Tyr Arg Arg Gly Pro His  
 50 55 60

Leu Pro Gly Asp Pro Ser His Cys Ala Val Arg  
 65 70 75

&lt;210&gt; 192

&lt;211&gt; 67

&lt;212&gt; PRT

&lt;213&gt; Homo sapien

&lt;400&gt; 192

Met His Phe Cys Gln Leu Leu Arg Thr Ser Ser Leu Ile Gly Met Cys  
 1 5 10 15

Trp Val Leu Arg Phe Ser Tyr Phe Phe Lys Leu Cys Leu Glu Phe Lys  
 20 25 30

Asn Tyr Thr Ser Leu Asn Tyr Met Pro Asn Ser Trp Pro Thr Gln Met  
 35 40 45

Lys Val Leu Val Leu Leu Ser Val Ile Pro Gly Leu Cys Gly Asn Leu  
 50 55 60

Asn Thr Ser  
 65

&lt;210&gt; 193

&lt;211&gt; 47

&lt;212&gt; PRT

&lt;213&gt; Homo sapien

&lt;400&gt; 193

Met Trp Thr Gly Asn Asn Gln Ile Val His Pro Thr Gly Thr Thr Leu  
 1 5 10 15

Trp Pro Thr Glu Leu Pro Ala Arg Leu Phe Phe Val Phe Phe Cys Phe  
 20 25 30

20473090-021402

Phe Leu Ile Lys Cys Leu Tyr Phe Ile Lys Lys Thr Ser Pro Phe  
 35 40 45

<210> 194  
 <211> 68  
 <212> PRT  
 <213> Homo sapien  
 <400> 194

Met Ala His Gly Val Pro Leu Ala Leu Pro Val Val Pro Ala Trp Trp  
 1 5 10 15

Gly Cys Ser Arg Arg Leu Leu Ala Pro Gly Phe Ala Thr Pro Leu Leu  
 20 25 30

Arg Gly Phe Ala Pro Leu Leu His His Arg Arg Gly Arg Lys Asn Glu  
 35 40 45

Lys Lys Glu Glu Phe Leu Arg Val Thr Met Met Asn Thr Trp Gly Leu  
 50 55 60

Ala Leu Leu Val  
 65

<210> 195  
 <211> 68  
 <212> PRT  
 <213> Homo sapien

<400> 195

Met Thr Asn His Asp Thr Thr Val Gly Val Leu Ile Tyr His Thr His  
 1 5 10 15

His Lys Leu Leu Thr Thr Ile Ile Asn Ile Ser Leu Phe Phe Ser Gly  
 20 25 30

Glu His Asn Asn Thr Thr Leu Phe Phe Glu Thr His Thr Leu Phe Thr  
 35 40 45

Thr Thr Phe Phe Phe Phe His Ser Pro Ser Pro Pro His Phe Pro Gly  
 50 55 60

Phe Phe Phe Leu  
 65

<210> 196  
 <211> 122  
 <212> PRT

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100

<213> Homo sapien

<400> 196

Met Asp Ala Ala Arg Ala Gly Lys Lys Lys Lys Lys Lys Lys Lys Lys  
1 5 10 15

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys  
20 25 30

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Gly Gly Gly Phe Val  
35 40 45

Pro Ser Ser Pro Leu Phe Leu Phe Ser Ile Thr Thr Phe Pro Arg Asp  
50 55 60

Arg Ala Ala Arg Gly Gly Asp Thr Leu Tyr Tyr Ile Glu Glu Gly Asp  
65 70 75 80

Arg Arg Tyr Ser Ser Lys Arg Ala Glu Asn Ile Ala Lys Ile Gly Trp  
85 90 95

Leu Pro Gly Glu Thr Ile Glu Val Val Ala Thr Ile Leu Glu Pro Phe  
100 105 110

Ala Cys Arg Leu Val His Thr Thr Pro Gln  
115 120

<210> 197

<211> 84

<212> PRT

<213> Homo sapien

<400> 197

Met Cys Leu Leu Ala Pro Cys Pro Glu Thr Pro Glu Ser Ser Trp Val  
1 5 10 15

Val Lys Glu Ile Pro Trp Ser Ser Gln Val Pro Gly Ala Thr Cys Trp  
20 25 30

Gly Phe Pro Gly His Arg Leu Ser Leu Lys Ala Cys Arg His Cys Ala  
35 40 45

Thr Val Val Pro Val Arg Pro Ser Trp Gly His Gly Glu Arg Asp Ile  
50 55 60

Ala Ile Pro Glu Ile Pro Gln Ser Val Met Cys Asp Leu Arg Ile Leu  
65 70 75 80

204120-06084001

Leu Arg Thr Pro

<210> 198  
 <211> 84  
 <212> PRT  
 <213> Homo sapien

<400> 198

Met Asn Lys Leu His Trp Gln Trp Pro Leu Ser Ser Arg Arg Arg Gln  
 1 5 10 15

Leu Met Asp Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe  
 20 25 30

Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Leu  
 35 40 45

Gly Gly Gly Thr Gly Glu Gln Gly Gly Arg Ala Gly Gly Glu Cys Val  
 50 55 60

Leu Pro Pro Pro Pro Pro Gln Lys Lys Lys Lys Lys Asn Ser Ile Asn  
 65 70 75 80

Lys Lys Lys Lys

<210> 199  
 <211> 134  
 <212> PRT  
 <213> Homo sapien

<400> 199

Met Pro Leu His Ser Ser Leu Gly Asn Arg Val Arg Pro Cys Pro Ser  
 1 5 10 15

Thr Leu Gly Gly Arg Gly Ala Gln Leu Glu Ile Ser Leu Gly Asn Ile  
 20 25 30

Val Lys Leu Asp Leu Tyr Lys Lys Lys Lys Lys Lys Lys Ser Arg Val  
 35 40 45

Trp Trp Cys Ala Pro Val Val Pro Ala Thr Gly Lys Leu Arg Trp Glu  
 50 55 60

Asp His Leu Ser Pro Gly Gly Arg Gly His Asn Glu Pro Lys Leu Cys  
 65 70 75 80

Gln Leu Asp Ser Ser Leu Gly Gln Gln Arg Lys Glu Leu Phe Thr Arg

10078090-021402

102

85

90

95

Lys Lys Lys Lys Thr Lys Lys Lys Lys Lys Gly Gly Gly Gly Asn Thr  
 100 105 110

Gly Ala Gln Thr Arg Gly Pro Gly Gly Gly Asn Gly Gly Thr Arg Asp  
 115 120 125

His Lys Phe Pro Lys Gln  
 130

<210> 200  
 <211> 34  
 <212> PRT  
 <213> Homo sapien

<400> 200

Met Tyr Pro Pro Gln Ala Leu Cys Glu Asn Ile His Glu Asp Tyr Ser  
 1 5 10 15

Leu Ser Phe Tyr Thr Lys Arg Thr Thr Gln Arg Arg Pro Leu Gly Gly  
 20 25 30

Phe Leu

<210> 201  
 <211> 137  
 <212> PRT  
 <213> Homo sapien

<400> 201

Met Val Gly Arg Thr Thr Phe Tyr Lys Leu Arg Glu Ser Thr Gln Arg  
 1 5 10 15

Ser Pro Leu Glu Arg Ala His Glu Glu Thr His Lys Ser Pro His Ala  
 20 25 30

Val Cys Trp Leu Arg Glu Ile Asn Arg Ala Ser Ser Leu Leu Ser Leu  
 35 40 45

Ser Leu Cys Val Gly Ala Arg Arg Ser Gln Thr Leu Cys Glu Lys Glu  
 50 55 60

Lys Val Leu Ser Glu Arg Glu Ser Val Gly Val His Thr Glu Ser Gly  
 65 70 75 80

Val Tyr Met Phe Tyr Ser Leu Trp Arg Val Ser Phe Ser Thr His Thr  
 85 90 95

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Gly Ala His Asp Leu Ser His Lys Glu His Arg Thr His Thr Leu Trp  
 100 105 110

Arg Ala Leu Ser His Leu Ile Phe Cys Glu Asn Val Lys Thr Phe Val  
 115 120 125

Glu Arg Glu Val Phe Leu Pro Val Leu  
 130 135

<210> 202  
 <211> 134  
 <212> PRT  
 <213> Homo sapien

<400> 202

Met Val Val Arg Gln Tyr Val Ser Glu Ile Phe Glu Pro Ala Pro Pro  
 1 5 10 15

Ser Thr Asn Lys His Tyr Phe Lys Arg Gly Lys Gly Ile Ser Met Glu  
 20 25 30

Ala His Ser Arg Arg Gln Ser His Ser Leu Thr Arg Ser Ser Asp Pro  
 35 40 45

Phe Ser Leu Gln His Arg Thr Gln Leu Leu Gln His Gly Ser His His  
 50 55 60

His Gly Asp Leu Gly Pro Tyr Phe Ile Pro His Arg Met Glu Glu Ser  
 65 70 75 80

Arg Leu Leu Leu Ser Leu Ser Ser Arg His Ser Phe Thr Ala Thr Phe  
 85 90 95

Asp Gln Leu Leu Ala Arg Gly Lys Ala Ser Ser Thr Gly Thr Ser Arg  
 100 105 110

Cys Pro Gly Leu Gly Ala Gly Ala Arg Arg Pro His Trp Ala Arg Val  
 115 120 125

Ser Ser Ala Ala Thr Thr  
 130

<210> 203  
 <211> 60  
 <212> PRT  
 <213> Homo sapien

<400> 203

204720.06082001

Met Ile Ile Leu Cys Leu Ile Asn His Asn Ile Met Cys Trp Trp Val  
1 5 10 15

Ser Ser Ser Ser Asp Tyr Leu Ser Ile Ser Val Cys Val Val Gln Ile  
20 25 30

Ser Ser Arg Gly Val Ser Pro Cys Ala Arg Asp Lys Thr Thr Ala Leu  
35 40 45

Ser Leu Leu Ser Arg Ser Ser Leu Ser Tyr Leu Cys  
50 55 60

<210> 204  
<211> 49  
<212> PRT  
<213> Homo sapien

<400> 204

Met Asp Gly Thr Glu Gly Lys Gln Leu Phe Met Tyr Thr Ser Lys Arg  
1 5 10 15

Gly Lys Lys Lys Lys Lys Arg Asn Pro Leu Ile Ser Thr Leu Pro Ile  
20 25 30

Arg Gln Asp Ile Ser Thr Ser Gln Ile Leu Arg Phe Leu Ile Ser Arg  
35 40 45

Phe

<210> 205  
<211> 53  
<212> PRT  
<213> Homo sapien

<400> 205

Met Ser Pro Trp Leu Asn Glu Arg Ser Ile Ala Lys Tyr Leu Met Asp  
1 5 10 15

Lys Val Thr Thr Ala Leu Gln Ala Asn Asn His Ile Ser Pro Tyr Ile  
20 25 30

Asp Gln Gln Arg Tyr Tyr Asn Tyr Ala Ser Val Gly Ile Gln Pro Arg  
35 40 45

Leu Thr His Ile Thr  
50

204720-06087001



<210> 206  
 <211> 219  
 <212> PRT  
 <213> Homo sapien

<400> 206

Met Thr Met Asn Thr Arg Ser Tyr Leu Thr Thr Phe Gly Ser Leu His  
 1 5 10 15

Ser Tyr Ser Ser Pro Gln Leu Trp Cys Asp Thr Leu Thr Leu Val Arg  
 20 25 30

His Gly Ser Ser Leu Gly His Asn Thr Arg Thr Asp Pro Thr Ala Tyr  
 35 40 45

Pro Ser Pro Tyr Cys Pro Tyr Leu Ala Glu His Phe Thr Leu Leu His  
 50 55 60

Lys Leu Ser Ser Met Thr Pro Gly Arg Leu Asp Met Ala Met Pro Tyr  
 65 70 75 80

Val Leu Ala Pro His Leu Ala Thr Pro Thr Pro Pro Ser Leu Thr Pro  
 85 90 95

Leu Arg Asn Asn Thr Thr Pro Ser His His His Thr Ile Thr Tyr Leu  
 100 105 110

Thr Thr Ala Pro Tyr His Arg Thr Leu Leu Thr Ser Pro Thr His Pro  
 115 120 125

Tyr Gly Asp Asp His Leu Tyr Leu Tyr Leu Thr Leu Thr Thr Pro Phe  
 130 135 140

Glu Pro Arg Pro Thr His Arg Tyr Pro Leu Pro Pro Leu Asn Pro Leu  
 145 150 155 160

Arg Ile Thr Thr Gln His Thr Ser Asp Gly Thr Thr Pro Phe Arg Asn  
 165 170 175

Thr His Pro Lys Leu His Pro Leu Tyr Tyr Thr Thr Gln His His Tyr  
 180 185 190

Tyr Tyr Ala His His Asn Gln Pro Gln Thr Ser Thr Thr Thr Ile Lys  
 195 200 205

His Ser Ala Gly Gln His Ser Glu Gln Gln Gln  
 210 215

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<210> 207  
 <211> 97  
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Met His Ala Arg Ala Ala Gln Cys Asp Gly Ser Ala Ala Gly Gln Val  
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Leu Pro Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Leu Arg Gly Ser  
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Asn Leu Asp Pro Phe Phe Val Lys Lys Ile Phe Phe Phe Phe Phe Phe  
 35 40 45

Phe Phe Leu Trp Lys Pro Pro Leu Glu Thr Ser Ala Ala Ala Leu Pro  
 50 55 60

Val Thr Thr Cys Leu Leu Ser Arg His Ser Cys Val Ile Gln Arg Asp  
 65 70 75 80

Gly Ala Pro Ala Gly Trp Lys Arg Glu Trp Pro Pro Arg Ala Gly Arg  
 85 90 95

Gly

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Met Leu Phe Cys Leu Pro Pro Arg Arg Ala Arg Val Cys Val Cys Cys  
 1 5 10 15

Ile Thr Leu Gly Gly His Ser Ser Leu Tyr Gly Lys Arg Cys Val Leu  
 20 25 30

Ser Leu Ala Arg Gly Arg Asp Ile Tyr Val Asn Thr Leu Ala Gly Glu  
 35 40 45

His Thr His Thr His Ser Tyr Ile Thr Gln Leu Phe Phe Val Cys Lys  
 50 55 60

Asn Met Phe Val Val His Leu Cys Val Cys Val Ile Trp Leu Tyr Thr  
 65 70 75 80

His Leu Ser Val Tyr Ile Leu Cys Val Cys Thr Arg Ala Ile Ala His

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107

85

90

95

Thr Leu Tyr Cys Pro Thr Ser Val Phe Met Arg Ala Arg Glu Arg Arg  
100 105 110

Gly Arg Val Arg Arg Glu Tyr Ile Ile Pro Thr Leu Cys Val Phe Ile  
115 120 125

Ile Thr Gln Leu Val Arg Glu Arg Glu His His Arg Arg Ser Ala Ala  
130 135 140

Val Cys Thr His Thr Arg His Thr Pro Leu Ser Leu Thr Pro Leu Leu  
145 150 155 160

Ser Tyr Ile His Thr Pro Arg Cys Ser Arg Arg Glu Tyr Ile Gly Cys  
165 170 175

Leu Tyr Ser Phe Thr His Phe Pro Val Gly Leu Tyr Ser His Thr Thr  
180 185 190

Ser Thr Ser Leu Leu Val Ser Thr His Thr His His Lys Ile Asn Thr  
195 200 205

Phe Leu Tyr Thr Pro Thr Leu Gln His Ser Leu Pro Pro His Leu Val  
210 215 220

Tyr Arg His Thr His Ser Leu Leu Pro Pro Pro Ala His Pro Gln Lys  
225 230 235 240

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Gly Gly Asp  
245 250 255

Leu Arg Pro Ala Asp  
260

<210> 209  
<211> 111  
<212> PRT  
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<400> 209

Met Arg Ser Thr His Trp Ala His Gly Thr Phe Leu Thr Pro Thr His  
1 5 10 15

Pro Phe Leu Ile Ser Ser Thr Phe Leu Ser Ile Tyr Leu Pro Pro Ala  
20 25 30

Pro Thr Pro Ile Pro Leu Ser Thr Thr Asn Pro Leu Ile Gln Ala Pro

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35

40

45

Pro Gly Pro Leu Ile Ile Lys Thr Ile Val Pro Leu Phe Leu Asn Met  
 50 55 60

Asp Gln Lys Lys Lys Lys Lys Asn Lys His Leu Ala Ala Thr Thr Ile  
 65 70 75 80

His His Asn Ala Pro Leu Glu His Ala Ser Arg Tyr Thr Glu Ala Pro  
 85 90 95

Ile Val Ile Ile His Ser Ser Phe Phe Leu Phe Phe Phe Val Phe  
 100 105 110

<210> 210

<211> 30

<212> PRT

<213> Homo sapien

<400> 210

Met Ala His Phe Ala Gln Gln Cys Ser Phe His Met Gln Leu Ile Thr  
 1 5 10 15

His Asp Val Met Trp Ile Asp Thr Val Leu Thr Gln His Ile  
 20 25 30

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